

Medartis Cadaveric Masterclass live from Netherlands, Poland, Switzerland and United Kingdom

Wednesday, 16 June 2021 | 08:00 - 12:00 CEST (GMT+2) | Channel 1

A patient journey after a wrist and scaphoid fracture – what can go wrong and how to be back on track.

Realistic cadaveric masterclass live from the Netherlands, Poland, Switzerland and the United Kingdom.

The international faculty will lead through three different treatment pathways:

1st Pathway From Complex Radius Fracture to RSL Fusion to Wrist Fusion

2nd Pathway From SL Ligament Reconstruction to Four Corner Fusion to Wrist Fusion

3rd Pathway From Scaphoid Fracture to Treatment of Scaphoid

Non-Union to Four Corner Fusion or Wrist Fusion

08:00 Complex Radius Fracture

08:30 Scaphoid Fracture

09:00 SL Ligament Reconstruction

09:30 Scaphoid Plate (Scaphoid Non-Union)

10:00 RSL Fusion

10:30 Four Corner Fusion

11:00 Total Wrist Fusion

11:30 Wrist Fusion Without Arthrodesis of the CMC Joint

AO Session

Educational Afternoon 1

Wednesday, 16 June 2021 | 15:00 - 16:00 CEST (GMT+2) | Channel 1

A-0768 Scaphoid non-union and mal-union

Renato Fricker

A-0769 Malunions of the metacarpals and phalanges

Alex Lluch

BIRG Session - Update in Hand and Wrist Complication Management Educational Afternoon 2

Wednesday, 16 June 2021 | 16:15 - 17:15 CEST (GMT+2) | Channel 1

Chair: Max Haerle

Solutions for complications in metacarpals and phalangeal reconstruction

A-0770 Previous vs. innovative treatment options

Stephan Schindele

A-0771 Clinical case examples

Niels Schep

Panelists' discussion

Solutions for complications in intra- and extra-articular radius reconstruction

A-0772 Previous vs. innovative treatment options

Stephan Schindele

A-0773 Clinical case examples

Niels Schep

Panelists' discussion

**IBRA Session - Distal Radius and Scaphoid Fractures – How Can We Do Better?
Educational Afternoon 3**

Wednesday, 16 June 2021 | 17:30 - 18:30 CEST (GMT+2) | Channel 1

Chairs: Wolfgang Hintringer, Hermann Krimmer

Session I – Distal radius fractures – how to avoid complications

A-0774 Key fragments – what does that mean?

Wolfgang Hintringer

A-0775 Tips and tricks

Christophe Pezzei

Case discussion

Session II – Carpal fractures – reasons for failure

A-0776 Acute scaphoid fractures

Martin Leixnering

A-0777 Scaphoid nonunion

Markus Gabl

Case discussion

Opening Ceremony

Wednesday, 16 June 2021 | 19:15 - 19:20 CEST (GMT+2) | Channel 1

Welcome speech of the Presidents of the 26th FESSH Congress

Brigitte van der Heijden, J Henk Coert

Welcome address of the FESSH Secretary General

Daniel Herren

Disasters of the Masters

Wednesday, 16 June 2021 | 19:20 - 21:15 CEST (GMT+2) | Channel 1

Chair: Daniel Herren, Elisabet Hagert

Five established and experienced hand surgeons are presenting a personal case in which the outcome did not match the anticipated result. On the basis of these 'disasters', complications and its conclusions will be highlighted. Expect a firework of learning lessons, does and don'ts, pearls and pitfalls.

Case presentations

Critical analysis

Conclusion

- What went wrong?

- What would I do again like this?

- What did I learn?

Moderated Discussion with questions from the audience

Participants

- Elisabet Hagert (Sweden)

- Max Haerle (Germany)

- Philippe Bellemère (France)

- Radek Kebrle (Czech Republic)

- Daniel Herren (Switzerland)

A-0826 Case Report by Daniel Herren

Daniel Herren

A-0827 How can something so common so wrong?

Elisabet Hagert, Felicia Rosvall

A-0828 Case Report by Radek Kebrle

Radek Kebrle, Martin Czinner

A-0829 Case Report by Philippe Bellemère

Philippe Bellemère

A-0830 Case Report: Endoscopic carpal tunnel release

Max Haerle

Instructional Course 1

Thursday, 17 June 2021 | 07:00 - 09:00 CEST (GMT+2) | Channel 1

A-0697 Management of complications of Flexor Tendon Surgery

Duncan Angus McGrouther

A-0835 Management of Flexor Tendon Adhesions and Pulley loss

Peter C Amadio

A-0698 The complexity of the extensor tendon

David Elliot, Thomas Giesen

A-0699 Management of Complications in Sensory Nerve Surgery

Pierluigi Tos

A-0700 Complications: Mixed Nerve Repair

Dominic Power

A-0701 Management of Carpal Tunnel Release Complications

Daniel Nagle

A-0702 Management of Finger Fracture Complications

Mick Kreulen

A-0703 Complications in Carpal fractures

Florian Lampert

A-0704 Management of complications of Scaphoid Fracture Fixation

Geert Buijze

A-0705 Lunate facet fractures of the distal radius

Greg Bain, Simon MacLean

A-0706 Complications and DRFs. Pearls and Pitfalls

Niels Schep

Live surgery 1

Thursday, 17 June 2021 | 09:00 - 11:30 CEST (GMT+2) | Channel 1

09:00 - 10:00

Moderators onsite: Niels Schep - Xander Smit

Experts online: Daniel Herren - Stephan Schindele

Table I: Proximal Interphalangeal/MetaCarpophalangeal Phalangeal Joint

MCP thumb fusion

Mini external fixator (PIP)

Surgeons: Miryam Obdeijn - Simon Strackee

Table II: TrapezioMetacarpal/Proximal Interphalangeal Phalangeal Joint

CMC 1 implant

PIP implant

Surgeons: Tjeerd de Jong - Arnold Schuurman

10:30 - 11:30

Moderators onsite: Frederik Verstreken - Alex Lluch

Experts online: Maurizio Calcagni - Frank Beeres

Table I: Radius fractures

Plate and spanning

3D imaging

Surgeons: Joost Colaris - Jan Debeij

Table II: Radius fractures

Radius plating

Radius/forearm plating

Surgeons: Niels Schep - Roland Klein Nagelvoort

Distal radius fractures

Free papers 01

Thursday, 17 June 2021 | 11:30 - 12:30 CEST (GMT+2) | Channel 1

Chair: Philippe Liverneaux

A-0104 Treatment of minimally displaced metaphyseal both-bone fractures of the distal forearm in children: long-term results of a randomised controlled multicenter trial.

Linde Musters Leon W. Diederix Kasper C. Roth Pim P. Edomskis Gerald A. Kraan Jan H. Allema Max Reijman Joost W. Colaris

Linde Musters, Department of Orthopedics, Noordwest Ziekenhuisgroep Alkmaar

A-0052 A New Clinical Pathway for the Management of Paediatric Distal Radius Torus Fractures – Fewer Appointments and Safe Care

Raj Pradhan ¹, Colin McDonald ¹, Aashish Ahluwalia ¹, Alistair Hunter ¹

¹ University College Hospital, London, UK

A-0241 Complications of the nonoperative versus operative treatment of displaced and reduced distal radial fractures in adults: a systematic review

Eva A.K. van Delft^{1,2}, Emiliën C. J. Wegerif¹, Ralph de Vries¹, Jeffrey Vermeulen³, Frank W. Bloemers¹.

¹ Amsterdam UMC, Vrije Universiteit Amsterdam, Netherlands; ² Spaarne Gasthuis, Haarlem, Netherlands; ³ Maasstad Ziekenhuis, Rotterdam, Netherlands

A-0004 Pronator quadratus repair after volar plate fixation in distal radial fractures: evaluation of the clinical and functional outcome and of the protective role on the flexor tendons – a randomized controlled study

Chul Ki Goorens¹, Pieter-Bastiaan De Keyzer^{1,2}, Kjell Van Royen², Steven Probyn¹, Jean Goubau²

¹ Regionaal Ziekenhuis Tienen, Tienen, Belgium; ² Universitair Ziekenhuis Brussel, Brussel, Belgium

A-0413 The Management of Acute on Chronic Distal Radius Fractures

Jorge Orbay¹, Menar Wahood², Abby Halpern², Deana Mercer³

¹ The Miami Hand & Upper Extremity Institute, Miami, FL, USA; ² Larkin University Hospital, Department of Orthopedics, Miami, FL, USA; ³ The University of New Mexico, Department of Orthopaedics, Albuquerque, NM, USA

A-0025 Impact of age on outcomes of flexor tendon rupture following distal radius fracture

Koji Moriya¹, Yutaka Maki¹, Naoto Tsubokawa¹

¹ Niigata Hand Surgery Foundation, Japan

A-0375 Application of Continuous Passive Motion machine in patients with distal radius fractures; Randomized Clinical Trial

Maryam Farzad^{1,4}, Joy MacDermid^{1,2}, Arezoo Shirzadi⁴, Amir Reza Farhoud³, Erfan Shafiee¹

¹ School of Physical Therapy, Department of Health and Rehabilitation Sciences, University of Western Ontario, Canada; ² Roth McFarlane Hand and Upper Limb Centre, St. Joseph's Hospital, London, Ontario, Canada; ³ Tehran University of medical sciences, Tehran, Iran; ⁴ University of social welfare and rehabilitation sciences, Tehran, Iran

A-0358 Pain at Rest, Movement Evoked Pain, and their Ratio Predict Pain and Disability at Six- and 12-Months after Distal Radius Fracture

Maryam Farzad^{1,5}, Joy C MacDermid^{1,2}, Saurabh Mehta⁴, Ruby Grewal³, Erfan Shafiee¹

¹ School of Physical Therapy, Department of Health and Rehabilitation Sciences, University of Western Ontario, Canada; ² Roth McFarlane Hand and Upper Limb Centre, St. Joseph's Hospital, London, Ontario, Canada; ³ Roth McFarlane Hand and Upper Limb Center, Department of Surgery, Western University, London, ON; ⁴ Department of Orthopedic Surgery, Joan C Edwards School of Medicine, Marshall University, Huntington, WV, USA; ⁵ University of social welfare and rehabilitation sciences, Tehran, Iran

A-0868 Distal radius fractures session commentary

Philippe Liverneaux

CMC Thumb 1

Free papers 02

Thursday, 17 June 2021 | 11:30 - 12:30 CEST (GMT+2) | Channel 2

Chair: Ilse Degreef

A-0344 Comparison between the Manometric Brace and Conventional Plaster Brace for Patients with Trapeziometacarpal Osteoarthritis: A Controlled Randomised Crossover Clinical Trial

E. Eyiis, N.M.C. Mathijssen, P. Veldt-Kok, J. Sluijter, G.A. Kraan

Reinier de Graaf Hospital, Delft, The Netherlands

A-0394 The prevalence, incidence, and progression of radiographic Thumb Base osteoarthritis in a population-based cohort: the Rotterdam Study.

JS Teunissen^{1,2,3}, RM Wouters^{1,2,4}, SMA Bierma-Zeinstra^{5,6}, JBJ van Meurs⁷, TAR Schreuders¹, JM Zuidam¹, RW Selles^{1,2}

¹ Department of Plastic, Reconstructive and Hand Surgery, Erasmus MC, University Medical Centre Rotterdam, The Netherlands; ² Department of Rehabilitation Medicine, Erasmus MC, University Medical Centre Rotterdam, Rotterdam, The Netherlands; ³ Department of Plastic, Reconstructive, and Hand Surgery, Radboudumc, Nijmegen, The Netherlands; ⁴ Center for Hand Therapy, Handtherapie Nederland, The Netherlands; ⁵ Department of General Practice, Erasmus MC, University Medical Centre Rotterdam, Rotterdam, The Netherlands; ⁶ Department of Orthopedic Surgery, Erasmus MC, University Medical Centre Rotterdam, Rotterdam, The Netherlands; ⁷ Department of Internal Medicine, Erasmus MC, University Medical Centre Rotterdam, Rotterdam, The Netherlands

A-0384 The prevalence of radiographic thumb base osteoarthritis: a meta-analysis

MJW van der Oest^{1,2,3}, LS Duraku¹, ER Andrinopoulou⁴, RM Wouters^{1,2,5}, SMA Bierma-Zeinstra^{6,7}, RW Selles^{1,2}, JM Zuidam¹

¹ Department of Plastic, Reconstructive and Hand Surgery, Erasmus MC, Rotterdam, The Netherlands ² Department of Rehabilitation Medicine, Erasmus MC, Rotterdam, The Netherlands ³ Hand and Wrist Center, Xpert Clinic, the Netherlands ⁴ Department of Biostatistics, Erasmus MC, Rotterdam, The Netherlands ⁵ Center for Hand Therapy, Handtherapie Nederland, Utrecht, The Netherlands ⁶ Department of General Practice, Erasmus MC, Rotterdam, The Netherlands ⁷ Department of Orthopedic surgery, Erasmus MC, Rotterdam, The Netherlands

A-0349 Radiological measurement of trapezial dysplasia – variation of trapezial tilt and trapezial inclination

Kjell Van Royen¹, Mathieu Gevers¹, Bert Vanmierlo², Thierry Scheerlinck¹, Jean Goubau¹

1) UZ Brussel, Brussels, Belgium 2) AZ Delta, Roeselare, Belgium

A-0352 3D planning and patient specific instrumentation for intraarticular corrective osteotomy of trapezio-metacarpal and finger joints

Method Kabelitz¹, Pascal Furrer¹, Sandro Canonica¹, Andreas Schweizer¹

¹ University Hospital Balgrist, Zürich, Switzerland

A-0249 Long-term Follow Up after first dorsal extension osteotomy in early thumb carpometacarpal arthritis

Enrico Coppo, Philipp Honigmann, Damian Sutter

Kantonsspital Baselland, Liestal, Switzerland

A-0186 Autologous Fat Transplantation for Thumb Carpometacarpal Joint Osteoarthritis (Liparthroplasty): A Case Series with 2 Years of Follow-up

Michael Pollak^{1,2}, Matthias Holzbauer^{1,2}, Manfred Schmidt^{2,3}, Oskar Kwasny^{1,2}, Dominik Duscher⁴, Stefan M. Froschauer^{1,2*}

¹ Department for Trauma Surgery and Sport Traumatology, Med Campus III, Kepler University Hospital Linz, Krankenhausstrasse 3, 4020 Linz, Austria; ² Johannes Kepler University Linz, Faculty of Medicine, Altenbergerstraße 69, 4020 Linz, Austria; ³ Department of Plastic, Aesthetic, and Reconstructive Surgery, Med Campus III, Kepler University Hospital Linz, Krankenhausstrasse 3, 4020 Linz, Austria; ⁴ Department of Plastic Surgery and Hand Surgery, Eberhard Karls University Tuebingen, Germany; * Correspondence: Stefan.froschauer@maz.at; Tel.: 0043 732 780673992

A-0499 Tenosuspension technique with suture-anchor in first carpo-metacarpal joint arthritis: long term follow-up results

Laura Martini, G. Caruso, L. Preziuso, S. Sargenti¹, A. Vitali

Division of Hand and Upper Limb Surgery, Azienda Usl Toscana Centro - Palagi Hospital, Florence, Italy ¹ Physiotherapist Unit, Azienda Usl Toscana Centro, Florence, Italy

A-0095 Stability of the first carpometacarpal joint during trapeziectomy with tendon suspension and interposition

Pascal Behm^{1,2}, Miriam Marks¹, Stephen J. Ferguson², Michael Brodbeck¹, Daniel B. Herren¹

¹ Schulthess Klinik, Switzerland ² ETH Zurich, Switzerland

A-0135 Metacarpal Subsidence Following Trapeziectomy

Abigail E. Meyers, Jillian P. Krebs, Arvin Smith, Antonio Rampazzo, Bahar Bassiri Gharb

Cleveland Clinic, Cleveland, OH, USA

A-0861 CMC Thumb 1 session commentary

Ilse Degreef

CTS 1

Free papers 03

Thursday, 17 June 2021 | 11:30 - 12:30 CEST (GMT+2) | Channel 3

Chair: Anne Vochteloo

A-0369 Diagnostic accuracy of sensory and motor tests for carpal tunnel syndrome diagnosis: a systematic review

Dabbagh A, McDerimid JC, Yong J, Macedo LG, Packham TL, Ghodrati M

Armaghan Dabbagh PT PhD Candidate¹, Joy C MacDermid PT PhD (1,2,3), Joshua Yong OT MSc⁴, Tara L. Packham OT PhD², Luciana G. Macedo PT PhD², Maryam Ghodrati PT PhD Candidate¹ ¹ School of Physical Therapy, Faculty of Health Science, Western University, London, Ontario, Canada ² School of Rehabilitation Science, McMaster University, Hamilton, Ontario, Canada ³ Roth McFarlane Hand and Upper Limb Centre, St. Joseph's Hospital, London, Ontario, Canada ⁴ Sengkang General Hospital, Singapore

A-0368 Determinants of Pain and Disability After Carpal Tunnel Release. Systematic Review

Erfan Shafiee¹, Maryam Farzad¹, Joy MacDermid¹, Amirreza Farhoud², Mohammad Mahdavi³

¹ School of Physical Therapy, Department of Health and Rehabilitation Sciences, University of Western Ontario, London, ON, Canada; ² Imam Hospital, Tehran University of Medical Sciences, Joint Reconstruction Research Center, Tehran, Iran; ³ University of Social Welfare and Rehabilitation Sciences, Tehran, Iran

A-0598 Carpal Tunnel Syndrome: live with pain or live without pain?

Daragan R.¹, Kondrashova I.¹, Kudlai R.¹, Boiko M.¹, Tereshenko A.¹, Daragan V.²

«City Clinical Hospital №16»¹; «Dnipropetrovsk hospital for war veterans»² Dnipro, Ukraine

A-0402 Surgical intervention for carpal tunnel syndrome in individuals with spinal cord injuries - patient characteristics, diagnostic considerations and treatment outcome

Armin Pallaver^{1,2}, Silvia Schibli¹, Jan Fridén¹

¹ Swiss Paraplegic Centre, Nottwil, Switzerland; ² Cantonal Hospital of Lucerne, Switzerland

A-0692 Ultrasound-guided, ultra-minimally-invasive carpal tunnel release – literature review of a novel trend in hand surgery and discussion of own preliminary results

Konrad Mende, Valentin Schmid, Dirk J. Schaefer, Andreas Gohritz

Plastic, Reconstructive and Aesthetic Surgery, Hand Surgery, University Hospital, Basel, Switzerland

A-0098 The predictive value of grip strength in carpal tunnel syndrome

Balazs Lenkei, Adrienn Lakatos, Zsolt Szabó
Hand Surgery Center Miskolc, Hungary

A-0012 What does preoperative pinch strength predict in case of carpal tunnel syndrome?

Adrienn Lakatos, Balazs Lenkei, Zsolt Szabo
Hand Surgery Center, Miskolc, Hungary

A-0865 CTS 01 session commentary

Anne Vochteloo

Clinical Examination / Diagnostic

Free papers 04

Thursday, 17 June 2021 | 11:30 - 12:30 CEST (GMT+2) | Channel 4

Chair: Leila Harhaus

A-0608 Sensitivity and specificity of clinical examination in open injuries of the hand

Jordan Oldbury¹, James McGhee¹, Alastair Lowrie¹
¹ Department of Plastic Surgery, Ninewells Hospital, Dundee, United Kingdom

A-0167 Diagnostic accuracy of history taking, physical examination and imaging for non-chronic finger, hand and wrist ligament and tendon injuries: a systematic review update.

Patrick Krastman¹, Nina M. Mathijssen³, Sita M.A. Bierma-Zeinstra^{1,2}, Gerald Kraan³, Jos Runhaar¹
¹ Erasmus MC University Medical Center Rotterdam, Rotterdam, the Netherlands, Department of General Practice. Room NA1911 PO Box 2040, 3000 CA Rotterdam, the Netherlands. ² Erasmus MC University Medical Center Rotterdam, Rotterdam, the Netherlands, Department of Orthopaedics. Department of General Practice. Room NA1920 PO Box 2040, 3000 CA Rotterdam, the Netherlands. ³ Reinier de Graaf Groep, Delft, the Netherlands, Department of Orthopaedic Surgery. Reinier de Graafweg 5-11, 2625 AD Delft, the Netherlands.

A-0467 Nerve Injuries and Delays in Treatment Negatively Impact Patient-Reported Quality of Life

Ivica Ducic¹, John M. Felder²
¹ Washington Nerve Institute, McLean, VA, USA; Washington University, St Louis, USA

A-0452 Compensation after hand surgery. A review of 1321 claims to the Norwegian System of Patient Injury Compensation 2007-2017

Sunniva Martine Kolstad Addison¹, Lisa Sofie Albrigtsen¹, Ida Rashida Khan Bukholm^{2,3}, Hebe Désirée Kvernmo^{1,4}
¹ Faculty of Health Sciences, University of Tromsø - Arctic University of Norway; ² The Norwegian System of Patient Injury Compensation; ³ Norwegian University of Life Sciences; ⁴ Hand Unit, Department of Orthopaedic Surgery, Northern Norway University Hospital

A-0263 Image quality and radiation exposure of the Mini C-arm versus the C-arm; is there a cut-off point between both device?

JRM van Rappard (1,2), MJPF Ritt², SD Strackee², N Veeger¹, CM Moues-Vink¹
¹ Medical Center Leeuwarden, the Netherlands, ² Amsterdam University Medical Center, the Netherlands

A-0035 High-resolution ultrasound is a more useful primary diagnostic tool than magnetic resonance imaging for subungual glomus tumors

In Cheul Choi, Hyun Jae Ryoo, Ji Hun Park, Jong Woo Kang, Jong Woong Park
Korea University College of Medicine, Seoul, South Korea

A-0145 Why do patients with breast cancer visit hand clinic?

Ji Sup Hwang, Yohan Lee, Kee Jeong Bae, Jihyeung Kim, Hyun Sik Gong, Young Ho Lee, Goo Hyun Baek
Seoul National University College of Medicine, Seoul National University Hospital, Korea

A-0295 Complications and safety of the transplanted organ after upper extremity surgery in patients receiving immunosuppressant therapy after solid organ transplantation

Seonjeong Lee, Jae Kwang Kim, and Young Ho Shin
Department of Orthopaedic Surgery, Asan Medical Center, University of Ulsan College of Medicine, Seoul, South Korea

A-0075 Electric cutters, a health care issue

Diogo Andrade Guimarães; Luís Vieira; Luís Ribeiro; Manuel Vilela; Miguel Matias; Pedro Martins; Maria Manuel Mouzinho
Centro Hospitalar Universitário Lisboa Central, Lisboa, Portugal

A-0860 Clinical Examination / Diagnostic session commentary

Leila Harhaus

DIP / PIP joints / Nail

Free papers 05

Thursday, 17 June 2021 | 11:30 - 12:30 CEST (GMT+2) | Channel 5

Chair: Piotr Czarnecki

A-0387 The retinacular ligaments of the extensor aponeurosis revisited

Tomas Borgström¹, Jörgen Trantum Jensen², Lars. B. Dahlin^{1,3}

¹ Department of Hand Surgery, Skåne University Hospital, Malmö, Sweden; ² Department of Cellular and Molecular Medicine, Panuminstitutet, University of Copenhagen, Denmark; ³ Department of Translational Medicine – Hand Surgery, Lund University, Malmö, Sweden

A-0581 Easy flow with a MiniFlo? An external distraction device to overcome joint contractions.

Lena Fuest, Luzian Haug, Stefanie Hirsiger, Esther Vögelin

Department of Plastic and Handsurgery, University Hospital Bern, Switzerland

A-0286 Comparative study between tension band wiring and compression screw for proximal interphalangeal and metacarpophalangeal joint arthrodesis

Jorge G. Boretto, Javier Bennice, Ezequiel E. Zaidenberg, Ignacio Rellan, Agustin G. Donndorff, Gerardo L. Gallucci, Pablo De Carli

Hospital Italiano de Buenos Aires, Ciudad Autónoma de Buenos Aires, Argentina

A-0445 Outcomes and Complication Rates following the use of the MatOrtho PIPR Arthroplasty System in the Management of Proximal Interphalangeal Joint Osteoarthritis

Timothy Hardwick, Christopher Williams

Royal Sussex County Hospital, Brighton, UK

A-0031 Five-year outcomes of surface replacing arthroplasty at the proximal interphalangeal joint

Vanessa Reischenböck¹, Miriam Marks², Daniel B. Herren¹, Stephan Schindele¹

¹ Department of Hand Surgery Schulthess Klinik, Zurich, Switzerland ² Department of Teaching, Research and Development Schulthess Klinik, Zurich, Switzerland

A-0125 Partial resection of volar plate for patients with stiff finger

Ji Sup Hwang, Yohan Lee, Kee Jeong Bae, Jihyeung Kim, Hyun Sik Gong, Young Ho Lee, Goo Hyun Baek

Seoul National University College of Medicine, Seoul National University Hospital, Korea

A-0278 Percutaneous DIP joint arthrodesis – outcomes over the last 10 years of performing this technique

Soha Sajid, Jefin, Jose, Akshay Malhotra, David Ford, Simon Pickard

Robert Jones and Agnes Hunt Orthopaedic Hospital, Oswestry, SY10 7AG

A-0867 DIP / PIP joints / Nail session commentary

Piotr Czarnecki

Medartis Symposium

It's never too late for the right plate

Thursday, 17 June 2021 | 12:30 - 13:20 CEST (GMT+2) | Channel 1

Speakers: Grainne Colgan, Radek Kebrle, and Niels Schep.

Many indications around the wrist – but which solution to choose?

Join the Medartis Lunch Symposium to gain new insights.

Moderator: Peter Cologna

Grainne Colgan: Spanning Plate

Radek Kebrle: Corrections

Niels Schep: Fracture Management

A-0901 Fracture Management

Niels Schep

A-0902 Corrections

Radek Kebrle

A-0903 Spanning Plate

Grainne Colgan

Orfit Symposium

Advanced Orthotic Fabrication with Isoforce

Thursday, 17 June 2021 | 13:00 - 13:30 CEST (GMT+2) | Channel 2

Speaker: Debby Schwartz OTD, OTR/L, CHT

The Orfit workshop at FESSH 2021 introduces clinicians to a new outrigger called Isoforce. Isoforce is designed to assist with regaining passive motion at a stiff proximal interphalangeal joint. The Isoforce is easy to apply to a dorsal hand-based orthosis fabricated from either Orficast More or sheet material. The workshop offers 2 instructional videos on orthotic fabrication of a dynamic and/or static progressive orthosis. Principles of mobilization orthoses are addressed along with important patient guidelines.

A-0892 Advanced Orthotic Fabrication for Proximal Interphalangeal (PIP) Joint Extension

Debby Schwartz

Acumed Symposium

Hand Fracture System Overview and Labs

Thursday, 17 June 2021 | 13:30 - 14:00 CEST (GMT+2) | Channel 1

Speaker: Professor Randy Bindra

A-0893 Hand Fracture System Overview and Labs

Randy R Bindra

Materialise Symposium

The 3D Technology Behind the World's First Successful Double Hand and Face Transplant; a clinical engineering perspective

Thursday, 17 June 2021 | 13:30 - 14:00 CEST (GMT+2) | Channel 3

Speaker: Alyssa Glennon, Principal engineer for business development, Materialise

Moderator : Jorn Witters

Alyssa led the 3D planning and design of the guides for the double hand transplant. She will walk you through the planning process and explain how Materialise's innovative tools enable the speed and accuracy required for such a complex medical procedure.

A-0894 The 3D Technology Behind the World's First Successful Double Hand and Face Transplant; a clinical engineering perspective.

Alyssa Glennon

Soft skills. New techniques beyond hand surgery

Young European Hand Surgeons Session

Thursday, 17 June 2021 | 14:00 - 15:00 CEST (GMT+2) | Channel 1

Chair: Letizia Marengi

This session would like to help to maintain an awareness of the effect of a more holistic management approach to the patient. NLP (neurolinguistic programming) and mindfulness are transversal topics to all medical fields even more appreciated, implemented and popular.

We will talk about NLP as a method to improve the doctor-patient relationship and the expected outcomes. Moreover the session will focus on the impact of mindfulness in doctors' well-being and how it could be helpful in maintaining the ability to take oneself out of a stressful situation, and get some clarity of thought.

A-0831 Introduction

Letizia Marengi

A-0832 NPL in medical practice

Ian McDermott

A-0833 Mindfulness for clinician wellbeing

Emma Hodgkinson

A-0834 Final conclusion and greetings

Letizia Marengi

New innovations in Social Media - don't allow your practice to fall behind

Thursday, 17 June 2021 | 14:00 - 15:00 CEST (GMT+2) | Channel 2

Chair: Zafar Naqui, Mireia Esplugas

Social media continues to be a versatile tool in our professional practice - now more so than ever.

Learn what's changed and what's new in this rapidly developing area and how you can harness the new digital technologies to improve your own practice.

A-0778 Welcome & Introduction

Zaf Naqui

UK

A-0779 The new FESSH Communications Committee - what's happening and why?

Viviana Rosero

Hungary

A-0780 How do we want to meet in the future? Results of the FESSH Virtual Survey

Egemen Ayhan

Turkey

A-0781 How you can organize a successful webinar: Tips & Tricks.

Anne Vochteloo, Francesca Toia

The Netherlands, Italy

A-0782 How to up your Social Media Game: Tips & Tricks

Thomas Aparid

France

A-0783 Are videos the new social media tools?

Nikolai Karpinski

Russia

A-0784 Why stories are important in SoMe.

Letizia Marengi

Italy

A-0785 How to best share your interesting cases on SoMe.

Justin Hasenecker

Germany

A-0786 Conclusions and Q&A

Mireia Esplugas

Spain

Journal session: Up to date statistics, best papers, editor in chief

Thursday, 17 June 2021 | 14:00 - 15:00 CEST (GMT+2) | Channel 3

Chair: Gürsel Leblebicioglu

In this session, up-to-date statistical data on JHS-E will be summarized and 10 valuable studies, which were downloaded the most between February 2020 and February 2021, will be presented by their authors. These studies are related to Dupuytren's Disease, teratogenesis, scaphoid fractures, denervation, publication ethics, pulley problems, CMC-I osteoarthritis and clinical evaluation methods. It is a rare opportunity to listen those original studies, which are created by large working groups after spending a long time, from their own authors within an hour.

A-0825 Journal's Performance

Gürsel Leblebicioglu

Turkey

A-0745 Is Dupuytren's disease really a 'disease of the Vikings'?

Dominic Furniss, Daniel J Lawson, Bruce Winney, Michael Ng

A-0746 The teratogenic effects of thalidomide on limbs

Neil Vargesson

A-0747 Controversies and best practices for acute scaphoid fracture management

Nina Suh, Ruby Grewal

A-0748 The outcome of bone graft surgery for nonunion of fractures of the scaphoid

Samer S. Mahmoud, Tim R. C. Davis, Michael Elvey, Ryckie G. Wade, Stephanie Spence, Alexia Karantana, Simon Robinson, Clare Rowan, Alex J. Nicholls, Mohannad B. Ammori

A-0751 Responsibilities of authors, institutes and journals on publication

Michel E. H. Boeckstyns, Jin Bo Tang

A-0753 Basal thumb osteoarthritis surgery improves health state utility irrespective of technique: a study of UK Hand Registry data

Matthew D. Gardiner, Robert Poulter, Dominic Furniss, Jennifer C. E. Lane, Jeremy N. Rodrigues, Edward Burn

A-0766 Clinical measurement of the dart throwing motion of the wrist: variability, accuracy and correction

Vasiliki Vardakastani, Hannah Bell, Sarah Mee, Gavin Brigstocke, Angela E. Kedgley

A-0767 Patient's satisfaction beyond hand function in Dupuytren's disease: analysis of 1106 patients

Steven E. R. Hovius, Yara E. van Kooij, Harm P. Slijper, Ralph Poelstra, Mark J. W. van der Oest, Ruud W. Selles

Live surgery 2

Thursday, 17 June 2021 | 15:00 - 17:30 CEST (GMT+2) | Channel 1

15:00 - 16:00

Moderators onsite: Frederik Verstreken - Roland Klein Nagelvoort

Experts online: Randy Bindra - Simon Farnebo

Table I: Wrist arthroplasty

Total Wrist Arthroplasty

Surgeons: Henk Coert - Anne Vochteloo

Table II: Wrist arthroplasty

Total Wrist Arthroplasty

Surgeons: Mick Kreulen - Alex Lluch

16:30 – 17:30

Moderators onsite: Tjeerd de Jong - Mick Kreulen
Expert online: Erik Walbeehm

Table I: Phalanx (incl. malunion and Mallet), Metacarpal fractures
Various plating options
Surgeons: Miryam Obdeijn - Brigitte van der Heijden

Table II: Neurovasc
Nerve and microvascular reconstructions
Surgeons: Assa Braakenburg - Tjeerd de Jong

Wright (now part of Stryker) Symposium PYROCARDAN™ for CMC Osteoarthritis

Thursday, 17 June 2021 | 17:30 - 18:00 CEST (GMT+2) | Channel 1

Speaker: Dr Philippe Bellemere

Welcome to our Pyrocardan™ E-session. This course will include an informative presentation on Pyrocardan™ Applications for the Basal Thumb, followed by a live discussion with Dr Philippe Bellemere.

A-0891 PYROCARDAN™ for CMC Osteoarthritis
Philippe Bellemere

Zimmer Biomet Institute Distal radius and scaphoid fractures, The Unusual

Thursday, 17 June 2021 | 17:30 - 18:00 CEST (GMT+2) | Channel 2

Speaker: Rouin Amirfeyz

17:30 Introduction

17:33 Unusual scaphoid fractures: how to manage them

17:39 Not all distal radius fractures are straightforward: what to do with more complex fractures?

17:45 Summary

17:50 Q&A

Groupe Lepine Symposium Rationale for trapeziometacarpal joint arthroplasty with 10 years of clinical experience and proven alternative to trapeziectomy

Thursday, 17 June 2021 | 17:30 - 18:00 CEST (GMT+2) | Channel 3

Dr Benjamin DEGEORGE : The TMC – MAÏA™ implant : A new approach to a verified concept

Dr Jacques TEISSIER : Summary and evolution of the MAÏA™ range

Dr Adriano TOFFOLI : The INCA implant as a solution for STT and peri-trapezial arthritis

A-0895 GROUPE LEPINE SYMPOSIUM 17 June
Benjamin Degeorge, Jacques Teissier, Adriano Toffoli

Distal radius malunion

Free papers 06

Thursday, 17 June 2021 | 18:00 - 19:00 CEST (GMT+2) | Channel 1

Chair: Tahir Sadik Süğün

A-0371 Distal radius fracture detection with convolutional neural network

Turkka Anttila¹, Teemu Karjalainen², Eero Waris¹, Nina Lindfors¹, Miika Leminen^{3,4}, Teemu Mäkelä⁵, Jorma Ryhänen¹

¹Department of Hand Surgery, HUS Helsinki University Hospital and University of Helsinki, Helsinki, Finland; ²Department of Hand Surgery, Central Finland Central Hospital, Jyväskylä, Finland; ³Analytics and AI development services, IT Department, HUS Helsinki University Hospital, Helsinki, Finland; ⁴Department of Otorhinolaryngology and Phoniatics, HUS Helsinki University Hospital and University of Helsinki, Helsinki, Finland; ⁵Department of Radiology, HUS Helsinki University Hospital and University of Helsinki, Helsinki, Finland

A-0441 The keystone- lunate fossa fragment, volar displaced intra-articular distal radius fractures

Manikandar Srinivas Cheruvu¹, Debashis Dass¹, Gopikanthan Manoharan¹, David James Ford¹, Ibrahim Roushdi¹

¹Robert Jones and Agnes Hunt Orthopaedic Hospital, Oswestry, United Kingdom

A-0280 Follow up of Distal radius volar plating – No role for post-operative radiographs

Jefin Jose Edakalathur, Manikandar Srinivas Cheruvu, Simon J Pickard

Robert Jones and Agnes Hunt Hospital, Oswestry, United Kingdom

A-0488 The role of patient specific implants in complex 3D reconstructions of the distal forearm

Radek Kebrle^{1,2}, Niels Schep³, Martin Czinner^{1,2,4}

¹Klinika Dr. Pírka, CZ ²Vysoké nad Jizerou, CZ ³Maasstad Ziekenhuis, NL ⁴Krajská nemocnice Liberec, CZ

A-0585 Corrective osteotomy for diaphyseal forearm malunions using 3D planning and patient-specific surgical guides: clinical and radiographical outcome in 30 patients with a minimum follow-up of 1 year

De Keyser P.-B.^{1,2}, Walschot L.³, Van Haver M.^{2,4}, Vanhees M.^{2,5}, Verstreken F.^{2,5}

¹AZ Maria Middelaers, Gent, Belgium ²AZ Monica, Antwerp, Belgium ³AZ St.-Maarten, Mechelen, Belgium ⁴MoRe Institute, Antwerp, Belgium ⁵Universitary hospital Antwerp, Antwerp, Belgium

A-0252 Fracture-dislocations of the forearm joint. A systematic review of the literature and a comprehensive locker-based classification system

Stefano Artiaco MD, Ph.D. sartiaco@cittadellasalute.to.it; Federico Fusini MD fusinif@hotmail.com; Arman Sard MD, asard@cittadellasalute.to.it; Elisa Dutto MD edutto@cittadellasalute.to.it; Matteo Ferrero MD, matteo.ferrero@hotmail.it; Bruno Battiston MD, Ph.D. bbattiston@cittadellasalute.to.it

Orthopaedic and Trauma Center, CTO Hospital, Turin, Italy

A-0616 Distribution of sensory nerve endings in the interosseous membrane of the forearm

Susanne Rein^{1, 2}, Mireia Esplugas³, Marc Garcia-Elias³, Thomas Magin⁴, Frank Siemers^{2,5}, Hubertus Philipps¹

¹Department of Plastic and Hand Surgery, Burn Unit, Hospital Sankt Georg, Delitzscher Straße 141, 04129 Leipzig, Germany ²Martin-Luther-University, Halle-Wittenberg, Germany ³Institut Kaplan, Hand and Upper Extremity Surgery, Paseo de la Bonanova 9, 08022, Barcelona, Spain ⁴Division of Cell and Developmental Biology, Institute of Biology, University of Leipzig, Philipp-Rosenthal-Str. 55, 04103 Leipzig, Germany ⁵Department of Plastic and Hand Surgery, Burn Unit, Trauma Center Bergmannstrost, Merseburger Straße 165, 06112 Halle (Saale), Germany

A-0869 Distal radius malunion session commentary

Tahir Sadik Süğün

CMC Thumb 2 arthroplasty

Free papers 07

Thursday, 17 June 2021 | 18:00 - 19:00 CEST (GMT+2) | Channel 2

Chair: Uri Farkash

A-0290 Influence of the 1st carpometacarpal joint fusion on thumb-tip movement

Toshiyasu Nakamura¹, Yusuke Kawano², Mitsunori Tada³, Takeo Nagura²

¹Department of Orthopaedic Surgery, International University of Health and Welfare, Tokyo, Japan; ²Department of Biomechanics, Keio University, Tokyo, Japan; ³Digital Human Research Center, National Institute of Advanced Industrial Science and Technology, Tokyo, Japan

A-0627 Improved preservation of the pinch strength by the PyroDisk CMC thumb arthroplasty compared to trapeziectomy with interposition arthroplasty

Brigitte van der Heijden^{1,2}, Simone Donners³, Joris Teunissen², Arnold Schuurman³, Cecile van Laarhoven⁴

¹ Jeroen Bosch Ziekenhuis, Den Bosch, NL; ² Radboudumc, Nijmegen, NL; ³ UMCU, Utrecht, NL; ⁴ ErasmusMC, Rotterdam, NL

A-0032 Capsular resection or suture in thumb carpometacarpal joint implant arthroplasty?

Vanessa Reischenböck ¹, Michael Oyewale ², Miriam Marks ², Stephan Schindele ¹, Daniel B. Herren ¹

¹ Department of Hand Surgery Schulthess Klinik, Zurich, Switzerland ² Department of Teaching, Research and Development Schulthess Klinik, Zurich, Switzerland

A-0156 Long term Results of Elektra prosthesis compared to resection-suspension arthroplasty for thumb carpometacarpal osteoarthritis

Stefan M Froschauer ¹ Matthias Holzbauer ¹ Oskar Kwasny ¹ Julian A Mihalic ¹ Dominik Duscher (1,2)

¹ Kepler University Hospital Linz, Department for Trauma Surgery and Sporttraumatology, Linz, Austria ² Eberhard Karls University, Department for Plastic, reconstructive and Hand Surgery, Tuebingen, Germany

A-0551 Pyrocardan implant arthroplasty for trapeziometacarpal osteoarthritis with a minimum follow-up of 5 years

Emanuele Gerace ¹, Deborah Royaux ², Etienne Gaisne ², Ludovic Ardouin ², Philippe Bellèmere ²

¹ ASST Cremona, Lombardy, Italy; ² Institut de la Main Nantes-Atlantique, Saint Herblain, France

A-0491 Long-term follow-up of patients treated with pyrocarbon disc implant for thumb carpometacarpal osteoarthritis: the effect of disc position on outcomes measurements.

Janna S. E. Ottenhoff ¹ Cecile. M.C.A. van Laarhoven ^{1,2} Mark van Heijl ³ Arnold H. Schuurman ¹ J. Henk Coert ¹ Brigitte E.P.A. van der Heijden ^{4,5}

¹ Department of Plastic, Reconstructive, and Hand Surgery, University Medical Center, Utrecht, The Netherlands. ² Department of Plastic, Reconstructive, and Hand Surgery, Erasmus Medical Center, Rotterdam, The Netherlands. ³ Department of Surgery, Hand and Wrist Unit, Diaconessenhuis, Utrecht, The Netherlands. ⁴ Department of Plastic and Hand Surgery, Jeroen Bosch Hospital, 's-Hertogenbosch, The Netherlands. ⁵ Department of Plastic Surgery, Radboud Medical Center, Nijmegen, The Netherlands.

A-0596 Dual-mobility touch prosthesis: A functional alternative in surgical treatment of painful thumb osteoarthritis: A prospective analysis with 41 prostheses

Florian Falkner ^{1,2}, Arman Mahmut Tümkaya ^{1,2}, Benjamin Thomas ^{1,2}, Benjamin Panzram ³, Ulrich Kneser ^{1,2}, Leila Harhaus ^{1,2}, Berthold Bickert ^{1,2}

¹ Department of Hand, Plastic and Reconstructive Surgery, Burn Center, BG Trauma Center Ludwigshafen, Ludwig-Guttman-Strasse 13, 67071 Ludwigshafen, Germany ² Hand and Plastic Surgery, University of Heidelberg, Heidelberg, Germany ³ Center of Orthopaedics, Trauma Surgery and Paraplegiology, University of Heidelberg, Germany

A-0326 Revision of Arpe trapeziometacarpal arthroplasty by isolated head and linear exchange in 5 cases.

Nicolas Bigorre, Alexandre Petit, Jérôme Brunet, Yann Saint Cast, Guy Raimbeau

Centre de la Main, Angers, France

A-0057 Major complications associated with Trapeziometacarpal Total Arthroplasty (TMCA) in Valdecilla Hospital

Jose Antonio Fernández-Dívar, Manuel Sánchez, Higinio Ayala, Jose Couceiro, M de los Angeles De la Red, Fernando Javier Del Canto.

Hospital Universitario Marqués de Valdecilla, Santander, Spain.

A-0862 CMC Thumb 2 arthroplasty session commentary

Uri Farkash

CTS 2 / CuTS

Free papers 08

Thursday, 17 June 2021 | 18:00 - 19:00 CEST (GMT+2) | Channel 3

Chair: Stephanie Zielinski

A-0673 A prospective comparative study between Monocryl, Vicryl Rapide and Ethilon for skin closure in open carpal tunnel decompression

Dominique Hughes ¹ Pauline McGee ¹ Luca Lancerotto ¹ Gillian Robertson ¹ Claire Simpson ¹ Dominique Davidson ¹

¹ St John's Hospital, Livingston, UK

A-0300 Median nerve entrapment syndrome in the elbow and proximal forearm. Anatomic causes of compression and 55 cases series surgical treatment outcomes at seven years mean follow-up.

Clara Sos ¹, Steven Roulet ¹, Jacky Laulan ¹, Guillaume Bacle ^{1,2}

¹ Service de chirurgie orthopédique et traumatologique, unité de chirurgie de la main et des nerfs périphériques, Hôpital Trousseau, Centre Hospitalo-Universitaire, Tours, France; ² UMR 1253, iBrain, Université de Tours, Inserm, Tours, France

A-0609 Work-related risk factors for ulnar nerve entrapment in the Northern Finland Birth Cohort of 1966.

Laura Miettinen ¹, Jorma Ryhänen ¹, Rahman Shiri ², Jaro Karppinen ^{3,4}, Jouko Miettunen ^{3,5}, Juha Auvinen ^{3,5,6}, Sina Hulkkonen ¹

¹ Department of Hand Surgery, Helsinki University Hospital and University of Helsinki, Finland. ² Finnish Institute of Occupational Health, Helsinki, Finland. ³ Medical Research Center Oulu, Oulu University Hospital and University of Oulu, Oulu, Finland. ⁴ Finnish Institute of Occupational Health, Oulu, Finland. ⁵ Center for Life Course Health Research, University of Oulu, Oulu Finland. ⁶ Oulunkaari Health Center, Ii, Finland.

A-0187 Outcome of Simple Decompression of Primary Cubital Tunnel Syndrome based on Patient Reported Outcome

Measurements

N.H.A. Mendelaar (1,2,3), C.A. Hundepool¹, L. Hoogendam (1,2,3), L.S. Duraku (1,3), D.M. Power⁴, E.T. Walbeehm (3,5), R.W. Selles (1,2), J.M. Zuidam¹, the Hand-Wrist Study Group

1. Department of Plastic, Reconstructive and Hand Surgery, Erasmus MC - University Medical Centre Rotterdam, The Netherlands 2. Department of Rehabilitation Medicine, Erasmus MC - University Medical Centre Rotterdam, The Netherlands 3. Hand and Wrist Centre, Xpert Clinic, The Netherlands 4. Birmingham Hand Centre, University Hospitals Birmingham, NHS Foundation Trust 5. Peripheral Nerve centre, Radboudumc, Nijmegen, the Netherlands

A-0284 Hyper-selective ulnar nerve neurectomy at the wrist, proximal to Guyon's canal, a point of technique that has been developed based on cadaveric dissections and the Oswestry experience of applying this procedure

Soha Sajid, Jefin Jose, Simon Pickard

Robert Jones and Agnes Hunt Orthopaedic Hospital, Oswestry, SY10 7AG

A-0866 CTS 01 / CuTS session commentary

Stephanie Zielinski

Outcome measurements

Free papers 09

Thursday, 17 June 2021 | 18:00 - 19:00 CEST (GMT+2) | Channel 4

Chair: Çiğdem Öksüz

A-0317 Test-Retest Reliability and Construct Validity of the Satisfaction with Treatment Result Questionnaire in Patients with Hand and Wrist Conditions: a Prospective Study

Willemijn De Ridder (1-4), Yara Van Kooij (1,2,4), Guus Vermeulen³, Harm Slijper (1-3), Ruud Selles (1,2), The Hand-Wrist Study Group Collaborators; Robbert Wouters (1,2,4)

1. Department of Plastic, Reconstructive and Hand Surgery, Erasmus MC, University Medical Center Rotterdam, Rotterdam, The Netherlands; 2. Department of Rehabilitation Medicine, Erasmus MC, University Medical Center Rotterdam, Rotterdam, The Netherlands; 3. Hand and Wrist Center, Xpert Clinic, The Netherlands; 4. Center for Hand Therapy, Handtherapie Nederland, Utrecht, The Netherlands.

A-0382 Predicting symptom improvement after carpal tunnel release: a machine learning approach

L Hoogendam (1,2,3), JAC Bakx (1,2,3), JS Souer³, HP Slijper³, the Hand Wrist study group, RW Selles (1,2)

1 Department of Plastic, Reconstructive and Hand Surgery, Erasmus MC, Rotterdam, The Netherlands; 2 Department of Rehabilitation Medicine, Erasmus MC, Rotterdam, The Netherlands; 3 Hand and Wrist Center, Xpert Clinic, the Netherlands;

A-0038 Measurement properties of the EQ-5D-5L questionnaire in patients after thumb carpometacarpal arthroplasty, rotator cuff repair or shoulder arthroplasty

Miriam Marks, Cécile Grobet, Laurent Audigé

Schulthess Klinik, Zurich, Switzerland

A-0528 Measurement properties of the Michigan Hand Outcomes Questionnaire: Rasch analysis of responses from a traumatic hand injury population

Maryam farzad, Joy Macdermid, Amirreza kachooei, Erfan Shafiee

School of Rehabilitation Science, McMaster University, Hamilton, Ontario Canada, 2. Roth McFarlane Hand and Upper Limb Centre, St. Joseph's Hospital, London, ON Canada

A-0633 A systematic review of health utilities and their derivation methods for hand conditions

Luke Geoghegan¹, Conrad J Harrison², Jeremy N Rodrigues^{2,3}

¹ Section of Vascular Surgery, Division of Surgery and Cancer, Imperial College London. London, UK ² Nuffield Department of Orthopaedics, Rheumatology and Musculoskeletal Sciences, University of Oxford. Oxford, UK ³ Department of Plastic, Reconstructive and Hand Surgery. Stoke Mandeville Hospital. Aylesbury, UK.

A-0329 Psychometric qualities of the PRWHE-DLV in patients with wrist complaints in secondary care.

E.J. Perpétua Alvino¹, P. Krastman³, J. Runhaar³, J.W. Colaris², G. Kraan¹, N. M.C. Mathijssen¹

1 Reinier de Graaf Groep, Delft, the Netherlands, Department of Orthopaedic Surgery. Reinier de Graafweg 5-11, 2625 AD Delft, the Netherlands. 2 Erasmus MC University Medical Center Rotterdam, Rotterdam, the Netherlands, Department of Orthopaedics. Department of General Practice. Room NA1920 PO Box 2040, 3000 CA Rotterdam, the Netherlands. 3 Erasmus MC University Medical Center Rotterdam, Rotterdam, the Netherlands, Department of General Practice. Room NA1911 PO Box 2040, 3000 CA Rotterdam, the Netherlands.

A-0366 Validation of Patient Rated Wrist/ Hand Evaluation: Confirmatory Factor analysis and Rasch analysis

Maryam Farzad^{1,3}, Joy MacDermid^{1,2}, Ze Lu¹, Erfan Shafiee¹

¹ School of Physical Therapy, Department of Health and Rehabilitation Sciences, University of Western Ontario, Canada; ² Roth McFarlane Hand and Upper Limb Centre, St. Joseph's Hospital, London, Ontario, Canada; ³ University of social welfare and rehabilitation sciences, Tehran, Iran

A-0318 Which Factors Independently Contribute to Satisfaction with Treatment Result Following Common Treatments for Hand and Wrist Conditions? A Large Cohort Analysis.

Willemijn De Ridder (1-4), Robbert Wouters (1,2,4), Lisa Hoogendam (1-3), Guus Vermeulen³, Harm Slijper (1-3), The Hand-Wrist Study Group

Collaborators, Ruud Selles (1,2)

1. Department of Plastic, Reconstructive and Hand Surgery, Erasmus MC, University Medical Center Rotterdam, Rotterdam, The Netherlands; 2. Department of Rehabilitation Medicine, Erasmus MC, University Medical Center Rotterdam, Rotterdam, The Netherlands; 3. Hand and Wrist Center, Xpert Clinic, The Netherlands; 4. Center for Hand Therapy, Handtherapie Nederland, Utrecht, The Netherlands.

A-0427 DETERMINATION OF THE MINIMALLY IMPORTANT CHANGE OF THE MICHIGAN HAND OUTCOMES QUESTIONNAIRE FOR SEVENTEEN DIAGNOSIS TREATMENT COMBINATIONS

Jaimy E Koopman^{1,2,3}, Lisa Hoogendam^{1,3}, Yara E van Kooij^{1,2,4}, Ruud W Selles^{1,2}, Harm P Slijper^{1,2,3}, Reinier Feitz³, Robbert M Wouters^{1,2,4}
¹ Department of Plastic, Reconstructive Surgery and Hand Surgery, Erasmus Medical Centre, Rotterdam, The Netherlands; ² Department of Rehabilitation Medicine, Erasmus MC, University Medical Center Rotterdam, the Netherlands; ³ Hand and Wrist Center, Xpert Clinic, the Netherlands; ⁴ Center for HandTherapy, Handtherapie Nederland, Utrecht, The Netherlands

A-0168 Psychometric qualities of the PRWHE-DLV in patients with wrist complaints in primary care.

Britt van Gorp¹, Patrick Krastman¹, Gerald Kraan³, Nina M.C. Mathijssen³, Sita M.A. Bierma-Zeinstra^{1,2}, Jos Runhaar¹
¹ Erasmus MC University Medical Center Rotterdam, Rotterdam, the Netherlands, Department of General Practice. Room NA1911 PO Box 2040, 3000 CA Rotterdam, the Netherlands. ² Erasmus MC University Medical Center Rotterdam, Rotterdam, the Netherlands, Department of Orthopaedics. Department of General Practice. Room NA1920 PO Box 2040, 3000 CA Rotterdam, the Netherlands. ³ Reinier de Graaf Groep, Delft, the Netherlands, Department of Orthopaedic Surgery. Reinier de Graafweg 5-11, 2625 AD Delft, the Netherlands.

A-0880 Outcome measurements session commentary

Çiğdem Öksüz

DRF malunion

Nation Competition 1

Thursday, 17 June 2021 | 19:00 - 19:30 CEST (GMT+2) | Channel 1

Moderators: Frederik Verstreken, Simon Roner

A-0836 Free Hand Distal Radius Malunion Correction

Alberto Lazzerini

A-0837 3D planning for correction osteotomies of the distal radius

Andreas Schweizer

Wrist Arthritis

Nation Competition 2

Thursday, 17 June 2021 | 19:30 - 20:00 CEST (GMT+2) | Channel 1

Moderators: Max Haerle, Marina Brndusic

Experts:

- Ole Reigstad
- Ilse Degreeef
- Aude Lombard

Surgical techniques:

- Arthrodesis
- Arthroplasty
- Denervation

A-0838 Wrist Arthritis 1

Ole Reigstad

A-0839 Wrist Arthritis 2

Ilse Degreeef

A-0840 Wrist Arthritis 3

Aude Lombard

SL dissociation Nation Competition 3

Thursday, 17 June 2021 | 20:00 - 20:30 CEST (GMT+2) | Channel 1

Moderators: Carlos Heras-Palou, Michiel Cromheecke

A-0841 SL dissociation 1

Mireia Esplugas

A-0842 SL dissociation. Open Approach

Igor Golubev

DRU instability Nation Competition 4

Thursday, 17 June 2021 | 20:30 - 21:00 CEST (GMT+2) | Channel 1

Moderators: Jan-Ragnar Haugstvedt, Eske Brand

Experts:

- Eva-Maria Baur
- Reinier Feitz

Surgical techniques:

- Open TFSS reinsertion
- Arthroscopic TFSS reinsertion

A-0843 DRU instability 1

Eva-Maria Baur

A-0844 DRU instability 2

Reinier Feitz

CMC arthritis Nation Competition 5

Thursday, 17 June 2021 | 21:00 - 21:30 CEST (GMT+2) | Channel 1

Moderators: Daniel Herren, Zisis Kyriazis

Experts:

- Rasmus Thorkildsen
- Ana Pinto
- Filippou Giannoulis

Surgical techniques:

- Resection arthroplasty
- Implant arthroplasty
- Resection Arthroplasty with Suspension interposition

A-0845 CMC arthritis 1

Rasmus Thorkildsen

A-0846 Resection Arthroplasty with Suspension interposition- Triple A Technique

Ana Pinto

A-0847 CMC arthritis 3

Filippos Giannoulis

Neuroma

Nation Competition 6

Thursday, 17 June 2021 | 21:30 - 22:00 CEST (GMT+2) | Channel 1

Moderators: Maurizio Calcagni, Alessandro Crosio

A-0848 Neuroma resection

Sofija Pejškova

A-0849 TMR surgery for neuroma pain

Norbert Kang

A-0850 Nerve reconstruction

Hanna-Stiina Taskinen

Instructional Course 2

Friday, 18 June 2021 | 07:00 - 09:00 CEST (GMT+2) | Channel 1

A-0707 Distal radius malunion: ten years of experience in 3-dimensional radius reconstruction. Pitfalls, complications, tips and tricks

Simon Strackee

A-0708 Management of Distal Radius Malunion: Practical Guidelines

Frederik Verstreken

A-0709 Complications after PIP arthroplasty

Daniel Herren

A-0710 Management of Complications of Thumb CMC Surgery

Filip Stockmans

A-0711 Treatment of Complications of Midcarpal Joint Arthritis

Eva-Maria Baur, Riccardo Luchetti

Germany

A-0712 Management of complications after commonly performed salvage procedures of the radiocarpal and distal radioulnar joint

Michel E. H. Boeckstyns

A-0713 Management of complications of ligament repair of thumb

Mike Ruettermann

A-0714 Complications after scapholunate ligament repair

Alex Lluch

A-0715 Management of Complications Following TFC Surgery

Greg Bain, Andrea Atzei

A-0716 Dermatofasciectomy and skin grafting

Paul Werker, Ilse Degreef

A-0717 Management of Complications in the Treatment of Fingertip Injuries

Maurizio Calcagni

Live surgery 3

Friday, 18 June 2021 | 09:00 - 11:30 CEST (GMT+2) | Channel 1

9:00 – 10:00

Moderators onsite: Anne Vochteloo - Jan Debeij

Experts online: Jan-Ragnar Haugstvedt - Maurizio Calcagni

Table I: Distal Radio Ulnar Joint arthroplasty

Ulnar head implant

Total DRU

Surgeons: Simon Strackee - Arnold Schuurman

Table II: Scaphoid fractures

Screw

Open and bone graft with plate

Surgeons: Brigitte van der Heijden - Alex Lluch

10:30 – 11:30

Moderators onsite: Miryam Obdeijn - Assa Braakenburg

Expert online: Dominic Power

Table I: Nerve

Nerve reconstruction, neuroma treatment

Surgeons: Erik Walbeehm - Mick Kreulen

Table II: Nerve

Nerve reconstruction, neuroma treatment

Surgeons: Henk Coert - Xander Smit

Scaphoid

Free papers 10

Friday, 18 June 2021 | 11:30 - 12:30 CEST (GMT+2) | Channel 1

Chair: Shai Luria

A-0193 Wrist Angle Measurements in Predicting the Presence of a Scaphoid Fracture

Ronit Wollstein¹, Jacob Becker¹, Andrew Brash¹, Raj Karia¹, Shai Luria²

¹ NYU Langone School of Medicine ² Hadassah Medical Center

A-0618 Clinical dilemma: Should we operate patients with scaphoid nonunion and good preoperative PRWHE scores to prevent progressive osteoarthritis?

Abigael Cohen¹, Max Reijman¹, Ruud W Selles¹, Steven E R Hovius², the Hand-Wrist Study Group Collaborators, Joost W Colaris¹

¹ Erasmus MC, Rotterdam, the Netherlands; ² Xpert Clinic, Hand and Wrist Surgery, the Netherlands

A-0220 Pedicled vascularized bone graft for 100 refractory scaphoid nonunions

Keikichi Kawasaki¹, Takeshi Sakai¹, Wakako Sakamoto¹, Takuma Kuroda², Sadaaki Tsutsui², Gaku Niizuma², Tetsuya Nemoto², Kazutoshi Kubo³, Tomohiro Yasuda⁴, Katsunori Inagaki²

¹Showa University Yokohama Northern Hospital, Yokohama, Japan ²Showa University, Tokyo, Japan ³Showa University Koutou Toyosu Hospital, Tokyo, Japan ⁴Showa University Fujigaoka Hospital, Yokohama, Japan

A-0578 Two Headless Compression Screw or Angular Stable Plate fixation in Scaphoid Nonunions

Stefan Quadlbauer^{1,2,3}, Christoph Pezzej¹, Thomas Beer¹, Rudolf Rosenauer^{1,2,3}, Josef Jurkowitsch¹, T. Hausner^{1,2,3}, M. Leixnering¹

¹ AUVA Trauma Hospital Lorenz Böhler, Vienna, Austria ² Ludwig Boltzmann Institute of Experimental and Clinical Traumatology, AUVA Research Center, Vienna, Austria ³ Austrian Cluster for Tissue Regeneration, Vienna, Austria

A-0086 Scaphoid Nonunion Management with Headless Screw versus Volar Locking Plate Fixation: A Meta-Analysis

DUNCAN VAN NESS, ASIF ILYAS

The Rothman Institute at Thomas Jefferson University Philadelphia, PA, USA

A-0454 Arthroscopic grafting of scaphoid nonunion – A Retrospective study of 32 cases.

Simon Rattier¹, MD, simonrattier15@gmail.com Emmanuel David¹, MD, david.emmanuel@chu-amiens.fr Benjamin Haddad¹, MD, haddad.benjamin@chu-amiens.fr Axel Van Vliet¹, MD, axelvanvliet@gmail.com Vittorio Ferrari^{1,2}, MD, vittofer@gmail.com Thierry Aihonnou², MD, taihon02@yahoo.fr Vladimir Rotari^{1,2}, MD, rotarivd@gmail.com

1- Centre Hospitalo Universitaire Amiens Picardie, France 2- Clinique Victor Pauchet, Amiens, France

A-0517 Is Adaptive Proximal Scaphoid Implant (APSI) a valid option for SNAC wrist also in young patients? A case series

Vincent Mazzone¹, Marco D'Orio², Arturo Militerno¹, Federico Terribile³, Rocco De Vitis¹

1Fondazione Policlinico Universitario A. Gemelli IRCCS, Largo Agostino Gemelli 8, 00168, Roma, Italia. 2 Università Cattolica del Sacro Cuore, Largo Francesco Vito 1, 00168 Roma, Italia. 3 Dipartimento di Ortopedia e Traumatologia, ASST - Ospedale Maggiore, Largo Dossena 2, 26013 Crema, Italia.

A-0881 Scaphoid session commentary

Shai Luria

Education / skill / biomechanics / tendon repair

Free papers 11

Friday, 18 June 2021 | 11:30 - 12:30 CEST (GMT+2) | Channel 2

Chair: Simon Farnebo

A-0504 MENTORSHIP IN HAND SURGERY: CROSS-SECTIONAL SURVEYS OF MENTORS AND MENTEES

Dominique Hughes¹ Helen Wohlgenut¹ Andrew Hart¹ Jeffrey Janis²

¹ Canniesburn, Plastic Surgery Unit, Glasgow Royal Infirmary ² Ohio State University

A-0119 Practice makes perfect: A review of published tendon trainer repair models.

Zak Vinnicombe¹, Christian M. Asher², Jonathan Super³, Nicola Bystrzonowski⁴, Eyfrossini Katsarma²

¹ St. George's Hospital, London, UK; ² Chelsea and Westminster Hospital, London, UK; ³ Maidstone and Tunbridge Wells NHS Trust, Kent, UK; ⁴ The Royal London Hospital, London, UK.

A-0670 What benefits can be expected from the improvement of surgeon-patient relationships? A literature review.

C Girault¹, C Chaves², T Dubert²

¹ Réseau Prévention Main Ile de France, Paris, France ² Hôpital privé Paul'Égine, Champsigny sur marne, France

A-0171 The upper limb falling reflex; the dynamics of how we fall

Grey Giddins Hugo Giddins

Royal United Hospitals, Bath, BA1 2BT

A-0567 Biomechanical study of wrist pain and instability in Ehlers-Danlos Syndrome

Authors: Marta Jokiel (1,2), Piotr Czarnecki¹, Ewa Bręborowicz¹, Aleksandra Bartkowiak¹, Anna Wachowiak¹, Leszek Romanowski¹

1. Traumatology, Orthopedics and Hand Surgery Department Poznan, University of Medical Sciences 2. Physiotherapy Clinic, Poznan University of Medical Sciences

Traumatology, Orthopedics and Hand Surgery Department, Poznan University of Medical Sciences

A-0401 Evaluation of the effects of donor muscle strength and wrist range of movement in restoring finger extension using computer modelling

Joanne Laing J¹, Simon Pickard², Dimitra Blana¹, Ed Chadwick¹

¹ School of Engineering, University of Aberdeen; ² Robert Jones Agnes Hunt Orthopaedic Hospital, Oswestry, United Kingdom

A-0658 Using elastic vessel loops to determine the passive tension at which tendon transfers are set for radial nerve palsy

Nikita Blake¹, Craig Andrew Blake², Gideon Francois van Staden², Corne Pieter Gustav Nel¹

¹ Department of Plastic and Reconstructive Surgery, University of the Free State, Bloemfontein, South Africa; ² Department of Orthopaedic Surgery, University of the Free State, Bloemfontein, South Africa

A-0872 Education / skill / biomechanics / tendon repair session commentary

Simon Farnebo

Dupuytren

Free papers 12

Friday, 18 June 2021 | 11:30 - 12:30 CEST (GMT+2) | Channel 3

Chair: David Warwick

A-0105 Dupuytren's disease in the UK: Prevalence, incidence, and lifetime risk of surgical intervention - A population-based cohort analysis

Dieuwke Broekstra (1,2) Rachel Kuo¹ Edward Burn¹ Daniel Prieto-Alhambra¹ Dominic Furniss¹

¹ University of Oxford, Nuffield Department of Orthopaedics, Rheumatology and Musculoskeletal Sciences, Oxford, United Kingdom ² University of Groningen, University Medical Center Groningen, Department of Plastic Surgery, Groningen, the Netherlands

A-0443 Changing patterns of treatment for Dupuytren's contracture - a retrospective and economic study of the introduction of needle fasciotomy in western Sweden 2010-2018.

Joakim Strömberg^{1,2}, Martin Byström,^{2,3} Johanna Nilsson¹, Anna Zachrisson⁴, Per Holmdahl⁵

1. Department of Orthopedics and General Surgery, Alingsås lasarett, Sweden 2. Department of Orthopaedics, Sahlgrenska Academy, University of Gothenburg, Sweden 3. Department of Hand Surgery, Sahlgrenska University Hospital, Gothenburg, Sweden 4. Department of Orthopedics and General Surgery, Kungälv's sjukhus, Sweden 5. SportMed clinic, Carlanderska Hospital, Gothenburg, Sweden

A-0058 Genetic risk predictors of clinical characteristics and recurrence of Dupuytren disease

Sophie Riesmeijer¹, Ilja Nolte¹, Paul Werker¹, Roel Ophoff²

¹ University of Groningen, University Medical Center Groningen, Groningen, The Netherlands. ² University of California Los Angeles, Center for Neurobehavioral Genetics, California, United States of America.

A-0332 Study of Dupuytren's contracture in Japan

Masashi Matsuta, Kaoru Tada, Shinji Miwa, Mika Nakada, Atsuro Murai, Yuta Nakamura, Hiroyuki Tsuchiya

Department of Orthopaedic Surgery, Graduate School of Medical Science Kanazawa University

A-0345 Limited progression of subclinical Dupuytren's disease: results from a prospective cohort study

Bente van den Berge, Paul Werker, Dieuwke Broekstra

University Medical Center Groningen, Groningen, the Netherlands

A-0513 Pushing boundaries in using collagenase: two step technique for severe Dupuytren disease

M.Bertolini, F.Giacalone, E.Dutto, B.Battiston

Hand Surgery Department, Città della salute e della Scienza di Torino, Turin, Italy

A-0403 No difference in recurrence rate and sustained straightness between collagenase treatment and needle fasciotomy for Dupuytren's Contracture - a five-year follow-up of a randomized study

Martin Byström^{1,3}, Allan Ibsen¹, Kristian Samuelsson^{2,3}, Jan Fridén^{2,4}, Joakim Strömberg^{3,5}

1. Department of Hand Surgery, Sahlgrenska University Hospital, Gothenburg, Sweden 2. Department of Orthopaedics, Sahlgrenska University Hospital, Göteborg, Sweden 3. Department of Orthopaedics, Sahlgrenska Academy, University of Gothenburg, Sweden 4. Swiss Paraplegic Centre, Nottwil, Switzerland 5. Department of Orthopedics and General Surgery, Alingsås lasarett, Sweden

A-0470 A randomised, double-blind, placebo-controlled study of celecoxib after collagenase injection for patients with Dupuytren's contracture at high risk of recurrence

Maarten VanNuffel, Pieter Reyniers, Jaak Warlop, Ilse Degreef

University Hospitals Leuven, Leuven, Belgium

A-0871 Dupuytren session commentary

David Warwick

DRUJ

Free papers 13

Friday, 18 June 2021 | 11:30 - 12:30 CEST (GMT+2) | Channel 4

Chair: Angel Ferreres

A-0067 Long-term outcome of distal oblique bundle reinforcement for chronic bidirectional DRUJ instability after TFCC injury.

Pascal Hannemann, Jan Ten Bosch

Maastricht University Medical Center, Maastricht, Netherlands

A-0570 Biomechanical comparison of modified Adams-Berger and DX technique in DRUJ reconstruction

Istvan Zoltan Rigo^{1,2} Felix Riano³ Robert Kalapos³ Jan-Ragnar Haugstvedt^{1,2}

¹ Ostfold Hospital Trust, Moss, Norway ² Oslo Hand Center, Norway ³ Arthrex Inc., Naples, FL, USA

A-0292 The effect of TFCC injury and ulnar styloid fracture on the DRUJ stability in the distal radius fractures -The evaluation using DRUJ arthroscopy-

Yoshihiro Dohi

Yao Tokushukai General Hospital, Yao, Japan

A-0390 Factors associated with the return to work after ulna shortening osteotomy: a sample of 104 consecutive patients.

JS Teunissen¹, R Feitz^{1,2}, S Al Shaer³, SER Hovius^{1,2}, RW Selles^{4,5}, EPA van der Heijden^{1,6}

¹ Department of Plastic surgery, Radboudumc, Nijmegen, The Netherlands; ² Hand and Wrist Center, Xpert Clinic, The Netherlands; ³ Department of Plastic surgery, Ziekenhuisgroep Twente, Almelo, The Netherlands; ⁴ Department of Plastic, Reconstructive and Hand Surgery, Erasmus MC, Rotterdam, The Netherlands; ⁵ Department of Rehabilitation Medicine, Erasmus MC, Rotterdam, The Netherlands; ⁶ Department of Plastic surgery, Jeroen Bosch Ziekenhuis, 's-Hertogenbosch, The Netherlands

A-0388 Illness perception is associated with pain and function in patients with ulnar impaction syndrome scheduled for ulna shortening osteotomy: a cross-sectional study

JS Teunissen¹, MJW van der Oest^{2,3}, DE van Groeninghen¹, R Feitz^{1,3}, SER Hovius^{1,3}, EPA van der Heijden^{1,4}

¹ Radboud University Medical Centre, Radboud Institute for Health Sciences, Department of Plastic Surgery, Nijmegen, The Netherlands; ² Department of Plastic, Reconstructive and Hand Surgery, Erasmus MC, University Medical Centre Rotterdam, Rotterdam, The Netherlands; ³ Hand and Wrist Centre, Xpert Clinic, The Netherlands; ⁴ Department of Plastic Surgery, Jeroen Bosch Ziekenhuis, 's-Hertogenbosch, The Netherlands

A-0426 Are there Advantages of Partial Ulnar Head Prostheses compared to Total Ulnar Head Prostheses?

Lea Estermann, Lisa Reissner, Ladislav Nagy

Balgrist University Hospital, Zurich, Switzerland

A-0870 DRUJ session commentar

Angel Ferreres

Elbow / Humerus

Free papers 14

Friday, 18 June 2021 | 11:30 - 12:30 CEST (GMT+2) | Channel 5

Chair: Jan Debeij

A-0378 Clinimetric Testing of the Persian version of the Patient-Rated Tennis Elbow Evaluation (PRTEE) and the Disabilities of the Arm, Shoulder, and Hand (DASH) Questionnaires in Patients with Lateral Elbow Tendinopathy

Maryam Farzad^{1,3}, Joy C MacDermid^{1,2}, Erfan Shafiee¹

¹ School of Physical Therapy, Department of Health and Rehabilitation Sciences, University of Western Ontario, Canada; ² Roth McFarlane Hand and Upper Limb Centre, St. Joseph's Hospital, London, Ontario, Canada; ³ University of social welfare and rehabilitation sciences, Tehran, Iran

A-0654 Endoscopic Treatment of Lateral Epicondylitis: A Cadaveric Study

Justin Mirza, Ather Mirza, Luke Zappia, Terence Thomas

Mirza Orthopedics, Smithtown, NY, USA

A-0085 Comparing Heterotopic Ossification Prophylaxis Options for Elbow Trauma: A Meta-Analysis

JEFFREY HESTENBURG, ASIF ILYAS

The Rothman Institute at Thomas Jefferson University Philadelphia, PA, USA

A-0140 Surgical management of persistent dislocation of ulnohumeral joint after failed surgery for fracture-dislocation of the elbow

Young Ho Lee¹, Goo Hyun Baek¹, Jihyeung Kim¹, Ji Sup Hwang¹, Jung Eun Lee²

¹ Seoul National University Hospital, Seoul, South Korea ² Gachon Gill Hospital, Gyeonggi-do, South Korea

A-0259 Time until union in Absolute vs. Relative Stability in 12A1 and 12A2 humeral fractures

Ignacio Rellán¹, Gerardo Luis Gallucci¹, Agustin Guillermo Donndorff¹, Pablo De Carli¹, Ezequiel Ernesto Zaidenberg¹, Marc Joseph Richard², Jorge Guillermo Boretto¹

¹Department of Orthopaedics, Hospital Italiano de Buenos Aires, Buenos Aires, Argentina Instituto de Ortopedia y Traumatología "Carlos E. Ottolenghi," Potosí 4215 (C1199ACK), Buenos Aires, Argentina ² Department of Orthopaedic Surgery, Division of Hand, Upper Extremity, and Microvascular Surgery, Duke University Medical Center, 4709 Creekstone Drive, Suite 200, Durham, NC 27703, USA.)

A-0873 Elbow / Humerus session commentary

Jan Debeij

Medartis Discussion Room 1

Ulna Shortening System 2.5 – a reliable way to perform the osteotomy

Friday, 18 June 2021 | 12:30 - 12:50 CEST (GMT+2) | Channel 1

Stryker Symposium

Moovis CMC dual mobility prosthesis, a long term experience & complex cases discussion

Friday, 18 June 2021 | 13:00 - 13:50 CEST (GMT+2) | Channel 2

Prof. Gilles Dautel & Prof. Filip Stockmans

The Stryker Moovis TMC prosthesis is a dual mobility system. It offers modular usage of an anatomical or straight stem in different sizes, three neck heights as well as three cup options.

A-0898 Key features and surgical steps of the Moovis prosthesis

Gilles Dautel

A-0899 Long term results with Moovis

Gilles Dautel

A-0900 Complex case discussions

Gilles Dautel & Filip Stockmans

Groupe Lepine Symposium

NerVFIX™ allogeneic nerve regeneration conduit

Friday, 18 June 2021 | 13:00 - 13:30 CEST (GMT+2) | Channel 1

Dr Flore-Anne LECOQ: Results of a nerve regeneration guide from human umbilical cord vessel in the treatment of nerve sections in the hand
Dr Laurence BARNOUIN: A tissue engineering solution for nerve section in hand surgery

A-0896 A tissue engineering solution for nerve section in hand surgery

Laurence Barnouin

A-0897 Results of a nerve regeneration guide from human umbilical cord vessel in the treatment of nerve sections in the hand

Flore-Anne Lecoq

Medartis Discussion Room 2

Scaphoid non-union treatment: lessons learned after 100 cases of non-vascularized reconstruction

Friday, 18 June 2021 | 13:30 - 13:50 CEST (GMT+2) | Channel 1

Faculty: Pascal Hannemann

Moderator: Andrea Tami

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Fractures metacarpal /phalanges

Free papers 15

Friday, 18 June 2021 | 14:00 - 15:00 CEST (GMT+2) | Channel 1

Chair: Pascal Hannemann

A-0563 Acute injuries to the ulnar collateral ligament of the thumb: a systematic literature review of diagnostic studies

Nicholas G Rabey¹, Jordan Oldbury², Neal Thurley³, Nicholas Riley⁴, Jeremy Rodrigues^{5,6}, Benjamin JF Dean⁶
¹ University Hospital Coventry, UK; ² Ninewells Hospital, Dundee, UK; ³ Bodleian Library, University of Oxford, UK; ⁴ Nuffield Orthopaedic Centre, Oxford, UK; ⁵ Stoke Mandeville Hospital, Aylesbury, UK; ⁶ NDORMS, Nuffield Orthopaedic Centre, Oxford, UK

A-0164 Intramedullary screw fixation of metacarpal and phalangeal fractures – a systematic review of 682 patients

Rémy Liechti, Armin Pallaver, Fabrizio Fiumedinisi, Bryan Van de Wall, Frank Beeres, Thomas Giesen, Urs Hug
Cantonal Hospital of Lucerne, Switzerland

A-0088 Intramedullary Screw Fixation of Metacarpal Fractures: An Anatomic Analysis for Optimal Screw Choice

MICHAEL OKOLI, ASIF ILYAS, CHRISTOPHER JONES
The Rothman Institute at Thomas Jefferson University Philadelphia, PA, USA

A-0150 High-energy, focussed shock wave therapy (ESWT) for delayed bone healing or non-union of forearm and hand

Marion Mühldorfer-Fodor, Eva Liedl, Jörg van Schoonhoven, Karl Josef Prommersberger
Klinik für Handchirurgie des Rhön-Klinikum Campus Bad Neustadt, Germany

A-0383 Indication extent for posttraumatic mutilated hand reconstruction by microsurgical toe transfer

Stamate T.¹, Mazilu G.¹, Atănăsoae I.¹, Stamate Mariana², Hrișcă T.¹, Topa I.¹
¹ University of Medicine and Pharmacy "Gr.T.Popa" , Iasi, Romania ² Laboratory of Neurophysiology, Neurosurgery Hospital, , Iasi, Romania

A-0503 Pedicled partial FDS muscle flap for coverage of Median nerve in the distal forearm

Kebrle Radek^{1,2}, Martin Czinner^{1,2,3}, Tomas Hellmuth²
¹ Klinika Dr. Pírka Mlada Boleslav; ² UPCHR Vysoke nad Jizerou; ³ Nemocnice Liberec

A-0428 Use of the Keystone Design Perforator Island Flap for Reconstruction of Upper Limb Defects

Nikolovska Bisera, Georgieva Gordana, Srbov Blagoja, Jovanovska Katerina, Pejкова Sofija
University Clinic for Plastic and Reconstructive Surgery, Skopje, North Macedonia

A-0874 Fractures metacarpal /phalanges session commentary

Pascal Hannemann

Tendon / Pulley

Free papers 16

Friday, 18 June 2021 | 14:00 - 15:00 CEST (GMT+2) | Channel 2

Chair: Hebe Désirée Kvernmo

A-0245 Biomechanical evaluation comparing Pulvertaft weave and Side-to-Side tenorrhaphy using porcine tendons

Soha Sajid, Emily Day, Jan Herman Kuiper, Rohit Singh, Simon Pickard
Robert Jones and Agnes Hunt Orthopaedic Hospital, Oswestry, SY10 7AG

A-0128 Biomechanical analysis of a single-sided locking side-to-side suture technique for tendon transfers

Jaimy Koopman¹, Caroline Hundepool¹, Liron Duraku¹, Mick Kreulen², Michiel Zuidam¹
¹ Department of Plastic, Reconstructive Surgery and Hand Surgery, Erasmus Medical Centre, Rotterdam, The Netherlands ² Department of Hand Surgery, Rode Kruis Ziekenhuis, Beverwijk, The Netherlands

A-0238 A systematic review of outcome measurement in studies of adult hand flexor tendon injury

Abigail V Shaw¹, David GW Holmes², Matthew D Gardiner^{3,4}, Jeremy N Rodrigues^{1,4}, Jennifer CE Lane⁴, Justin CR Wormald⁴
¹ Department of Plastic & Reconstructive Surgery, Stoke Mandeville Hospital, Aylesbury, UK; ² Department of Trauma & Orthopaedic Surgery, Leighton Hospital, Crewe, UK; ³ Department of Plastic & Reconstructive Surgery, Wexham Park Hospital, Slough, UK; ⁴ Nuffield Department of Orthopaedics, Rheumatology and Musculoskeletal Science (NDORMS), University of Oxford, Oxford, UK

A-0070 Alternative for two-stage tendoplasty in treatment of chronic tendon flexor digitorum profundus injury in no-man's land

Aleksandr Zenchenko
Gomel Regional Clinical Hospital (Gomel, Belarus)

A-0236 SORL-reverse procedure: a dynamic tenodesis to restore distal interphalangeal joint flexion in chronic flexor digitorum profundus lesions. A cadaveric study

Andrea Poggetti Nucci Anna Maria Biondi Marco Pfanner Sandra
Hand and Reconstructive Microsurgery Unit, AOU Careggi-CTO, Florence, Italy

A-0107 Flexor pulley reconstruction – clinical results for chronic cases: 5-years follow-up

Simon Oeckenpöhler, Valerie Nottberg, Johanna Ueberberg, Britta Wieskötter, Martin Langer
University Hospital Münster - Department for Trauma-, Hand- and Reconstructive Surgery, Münster, Germany

A-0020 Repair of ruptured extensor pollicis longus with running interlocking horizontal mattress suture technique

Satoshi Usami, Sanshiro Kawahara, Masashi Takemitsu, Kohei Inami.

Tokyo Hand Surgery ampersand Sports Medicine Institute, Takatsuki Orthopaedic Hospital, Tokyo, Japan.

A-0883 Tendon / Pulley session commentary

Hebe Désirée Kvernmo

Nerve experimental / Allograft

Free papers 17

Friday, 18 June 2021 | 14:00 - 15:00 CEST (GMT+2) | Channel 3

Chair: Esther Vögelin

A-0173 Alterations in Myelination of the Painful Nerves, Proximal to the Site of Injury

Elisabeth Maria Brakkee¹, Wim Van Hecke¹, Erick DeVinney², Henk Coert¹

¹ University Medical Center Utrecht, the Netherlands, ² AxoGen, Alachua, Florida, United States

A-0247 Enhancing Acellular Nerve Allografts with Mesenchymal Stem Cells and Surgical Angiogenesis Improves Immune Response and Revascularization

Meiwand Bedar, Tiam M. Saffari, Allen T. Bishop, Alexander Y. Shin

Department of Orthopedic Surgery, Division of Microvascular and Hand Surgery, Mayo Clinic, Rochester, MN, USA

A-0463 The effect of stem cells and local tacrolimus on neurite extension

Sara Saffari^{1,2}, Tiam M. Saffari^{1,2}, Katelyn Chan^{3,4}, Gregory H. Borschel³, Alexander Y. Shin¹

¹ Division of Hand and Microvascular Surgery, Department of Orthopedic Surgery, Mayo Clinic, Rochester, MN, USA; ² Department of Plastic-, Reconstructive- and Hand Surgery, Radboud University, Nijmegen, the Netherlands; ³ Division of Plastic and Reconstructive Surgery, The Hospital for Sick Children, Toronto, Ontario, Canada; ⁴ Institute of Biomaterials and Biomedical Engineering, University of Toronto, Toronto, Ontario, Canada

A-0404 Surgical Angiogenesis Modifies the Cellular Environment of Decellularized Nerve Allografts in a Rat Sciatic Nerve Defect Model

Tiam Mana Saffari^{1,2}, Femke Mathot^{1,2}, Allen T. Bishop¹, Andre J. van Wijnen^{1,3}, Alexander Y. Shin¹

¹ Mayo Clinic, Department of Orthopedic Surgery, Minnesota, USA ² Radboud University, Nijmegen, the Netherlands ³ Mayo Clinic, Department of Biochemistry and Molecular Biology, Minnesota, USA

A-0400 Microcomputed analysis of nerve angioarchitecture after combined stem cell delivery and surgical angiogenesis to nerve allograft

Tiam Mana Saffari^{1,2}, Femke Mathot^{1,2}, Allen T. Bishop¹, Alexander Y. Shin¹

¹ Mayo Clinic, Minnesota, USA ² Radboud University, Nijmegen, The Netherlands

A-0069 Peripheral Nerve Regeneration with Enhanced Nerve Autograft using Adipose-derived Stem Cell Sheets

Atsuro Murai, Kaoru Tada, Mika Nakada, Masashi Matsuta, Yuta Nakamura, Hiroyuki Tsuchiya

Department of Orthopaedic Surgery, Graduate School of Medical Science Kanazawa University, Kanazawa, Ishikawa, Japan.

A-0045 Peripheral Nerve Regeneration Using an Adipose-Derived Stem Cell Sheet

Kaoru Tada¹, Atsuro Murai¹, Mika Nakada¹, Masashi Matsuta¹, Yuta Nakamura¹, Katsuhiro Hayashi¹, Hiroyuki Tsuchiya¹

¹ Department of Orthopaedic Surgery, Graduate School of Medical Science, Kanazawa University

A-0543 Median Nerve Injury in Wistar Rats Treated with GM1: Functional Evaluation

Oswaldo Mendes de Oliveira Filho (Oliveira Fiho, OM)¹ Márcia dos Santos Rizzo (Rizzo, MS)¹ Antônio César Almeida de Oliveira (de Oliveira, ACA)¹ Gustavo Bispo dos Santos (dos Santos, GB)² William Dias Belangero (Belangero, WD)³

¹ Universidade Federal do Piauí (UFPI), Teresina, Brazil ² Universidade de São Paulo (USP), São Paulo, Brazil ³ Universidade Estadual de Campinas (UNICAMP), Campinas, Brazil

A-0380 Avoiding nerve suture line tension using Jabaley epineurial splint technique

Teodor Stamate¹, Mariana Stamate², Ionuț Atănăsoae¹, Ionuț Topa¹

1. University of Medicine and Pharmacy "Grigore T.Popa" IASI, Romania 2. Laboratory of Neurophysiology – Neurosurgery Hospital, IASI, Romania

A-0878 Nerve experimental / Allograft session commentary

Esther Vögelin

SL ligament TFCC

Free papers 18

Friday, 18 June 2021 | 14:00 - 15:00 CEST (GMT+2) | Channel 4

Chair: Fernando Corella

A-0665 Diagnostic accuracy of MRI and MR Arthrography in Scapholunate Interosseous Ligament Injury: A Systematic Review and Meta-Analysis

Philippe Sprangers, Stan Buckens, Stefan Hummelink, Brigitte van der Heijden
Radboudumc, Nijmegen, The Netherlands

A-0667 Arthroscopy Capsuloplasty and Temporary Screw augmentation in S-L tears grade IIIC & IV of the EWAS Classification. Medium term follow up

Martín Caloia, Sergio Ronconi, Hugo Caloia, Diego González Scotti, Germán Barrozo, Emilia María Serur, Stevent García Puerta, Gerónimo Chamorro, Alejandro Meritano, Gonzalo Guevara
Orthopaedic Department, Upper Extremity & Hand Surgery section. Austral University Hospital, Pilar, Buenos Aires, Argentina

A-0568 Radiological and functional correlation following scapholunate and intercarpal ligamentoplasty "SLIC procedure" at minimum follow-up of 12 months

Florent METAIRIE¹, Ludovic ARDOUIN², Philippe BELLEMERE³, Yves BOUJU⁴, Etienne GAISNE⁵, Marc LEROY⁶
Institut de la main Nantes Atlantique, ST HERBLAIN, France

A-0355 Long-term follow-up of scapho-lunate reconstruction with the DRAW technique

N Della Rosa, N Bertozzi, G Colzani, R Adani
Operative Unit of Hand Surgery and Microsurgery Azienda Ospedaliera Policlinico Modena, Italy

A-0361 Comparison between dorsal capsuloplasty techniques for chronic injuries of the scapho-lunate ligament: Viegas vs Berger.

Norman Della Rosa, Enrico Lancellotti, Daniele Tosi, Roberto Adani
Operative Unit of Hand surgery and Microsurgery Azienda Ospedaliera Policlinico Modena, Italy; Department of Orthopaedic Ospedale Santa Maria Nuova Reggio Emilia, Italy

A-0291 Histological Analysis of the TFCC: An Examination on the Meniscus Homologue, Ulnar Collateral Ligament and Ligament Subcruentum

Toshiyasu Nakamura¹, David L. Nelson
¹ Department of Orthopaedic Surgery, International University of Health and Welfare, Tokyo, Japan; ² Private Practice, San Francisco, USA

A-0526 Management of Palmer Type 1B TFCC Tears: A Systematic Review of Cadaver Studies

Claire Elisabeth Arnolda Koeyvoets¹, Joris Sebastiaan Teunissen¹, Reinier Feitz^{1,2,3}, Steven Hovius^{1,4}, Elisabeth Hagert^{6,7,8}, Egberta Petronella Adriana van der Heijden^{1,5}

¹ Radboud university medical center, Department of Plastic and Reconstructive and Hand Surgery, Nijmegen, The Netherlands; ² Radboud university medical center, Radboud Institute for Health Sciences, Department of Plastic, Reconstructive and Hand Surgery, Nijmegen, The Netherlands; ³ Hand and Wrist Center, Xpert Clinics, Amsterdam, The Netherlands; ⁴ Hand and Wrist Center, Xpert Clinics, Rotterdam, The Netherlands; ⁵ Jeroen Bosch Hospital, Department of Plastic and Hand Surgery, 's Hertogenbosch, The Netherlands; ⁶ Karolinska Institutet, Dept of Clinical Science and Education, Sodersjukhuset, Stockholm, Sweden; ⁷ Arcademy, HM Queen Sophia Hospital, Stockholm, Sweden; ⁸ Musculoskeletal & Sports Injury Epidemiology Center Department of Health promotion science Sophiahemmet University, Stockholm, Sweden

A-0373 All Arthroscopic TFCC Fovea Repair with Suture Anchor in Athletes

Juitien Shih
Armed Forces Taoyuan General Hospital, Taoyuan, Taiwan

A-0321 Arthroscopic isometric inside-out suture technique for TFCC foveal repair

Keiji Fujio, Saori Yamaguchi, Kentaro Seki, Kazuaki Tsuyuguchi, Yasuhiko Maki
Orthopaedic department of Osaka Maki Orthopaedic Hospital Osaka, Japan

A-0112 Preoperative Patient Reported Wrist Evaluation (PRWE) should guide the indication for open reinsertion of the Triangular Fibrocartilage Complex (TFCC) reinsertion

R Feitz^{1,2,3}, YE van Kooij¹, MJW van der Oest^{1,3,4}, JS Souer¹, SER Hovius^{1,2}, RW Selles^{3,4}, and the Hand-Wrist Study Group[‡]
¹Xpert Clinics, Hand and Wrist center, Laarderhoogtweg 12, 1101 EA, Amsterdam, The Netherlands ²Department of Plastic-, Reconstructive-, and Hand Surgery, Radboud University Medical Center, PO Box 9101, 6500 HB Nijmegen, the Netherlands ³Department of Plastic-, Reconstructive-, and Hand Surgery, Erasmus MC, PO Box 2040, 3000 CA Rotterdam, The Netherlands ⁴Department of Rehabilitation Medicine, Erasmus MC, PO Box 2040, 3000 CA, Rotterdam, The Netherlands [‡]Hand-Wrist Study Group collaborators: RAM Blomme, BJR Sluijter, DJJC van der Avoort, A Kroeze, J Smit, J Debeij, ET Walbeehm, GM van Couwelaar, Guus M Vermeulen, JP de Schipper, JFM Temming, JH van Uchelen, HL de Boer, KP de Haas, K Harmsen, OT Zöphel, JS Souer, R Koch, TM Moojen, X Smit, R van Huis, PY Pennehouat, K Schoneveld, YE van Kooij, RM Wouters, P Zagt, FJ van Ewijk, JJ Veltkamp, A Fink, WA de Ridder, JT Porsius, J Tsehaie, R Poelstra, MC Janssen, PO Sun, VJMM Schrier, L Hoogendam, JS Teunissen, Jak Dekker, M Jansen-Landheer, M ter Stege.

A-0882 SL ligament TFCC session commentary

Fernando Corella

Nerve / Pain /Basic

Free papers 19

Friday, 18 June 2021 | 14:00 - 15:00 CEST (GMT+2) | Channel 5

Chair: Lars Dahlin

A-0270 Microcirculation of Median Nerve in Carpal Tunnel Syndrome

Gokce Yildiran¹, Nusret Seher², Mustafa Sutcu³, Osman Akdag³, Alaaddin Nayman², Zekeriya Tosun³

¹ Konya City Hospital, Hand Surgery Clinic, Konya, Turkey ² Selcuk University Medical Faculty, Radiology Dep, Konya Turkey ³ Selcuk University Medical Faculty, Plastic, Reconstructive and Aesthetic Surgery Dep, Konya, Turkey

A-0159 MR imaging of peripheral nerves using targeted application of contrast agents: an experimental proof-of-concept study

Vlad Tereshenko^{1,2}, Irena Pashkunova-Martic^{3,4}, Krisztina Manzano-Szalai^{1,5}, Joachim Friske³, Konstantin D. Bergmeister^{1,2,6}, Christopher Festin^{1,2}, Martin Aman^{1,2,7}, Laura A. Hruby^{1,8}, Johanna Klepetko¹, Sarah Theiner⁴, Matthias H. M. Klose⁴, Bernhard Keppler⁴, Thomas Helbich³, Oskar C. Aszmann^{1,9*}

¹ Clinical Laboratory for Bionic Extremity Reconstruction, Division of Plastic & Reconstructive Surgery, Department of Surgery, Medical University of Vienna, Austria ² Center for Biomedical Research, Medical University of Vienna, Austria ³ Department of Biomedical Imaging and Image-guided Therapy, Division of Molecular and Structural Preclinical Imaging, Medical University of Vienna, Austria ⁴ Institute of Inorganic Chemistry, University of Vienna, Austria ⁵ Centre for Microbiology and Environmental Systems Science, University of Vienna, Austria ⁶ Karl Landsteiner University of Health Sciences, Department of Plastic, Aesthetic and Reconstructive Surgery, University Hospital St. Poelten, Krems, Austria ⁷ Department of Hand, Plastic and Reconstructive Surgery, Burn Center, University of Heidelberg, BG Trauma Hospital Ludwigshafen, Ludwigshafen, Germany ⁸ Department of Orthopedics and Trauma Surgery, Medical University of Vienna, Austria ⁹ Division of Plastic and Reconstructive Surgery, Medical University of Vienna, Austria

A-0613 Spontaneous autonomic reinnervation of neuromuscular junctions after surgical deafferentation: experimental animal model

Vlad Tereshenko¹, Joachim Ortmayr¹, Dominik Dotzauer¹, Udo Maierhofer¹, Konstantin D. Bergmeister^{1,2}, Christopher Festin¹, Matthias Luft¹, Gregor Längle¹, Roland Blumer³, Oskar C. Aszmann^{1,4}

¹ Clinical Laboratory for Bionic Extremity Reconstruction, Division of Plastic & Reconstructive Surgery, Department of Surgery, Medical University of Vienna, Austria; ² Karl Landsteiner University of Health Sciences, Department of Plastic, Aesthetic and Reconstructive Surgery, University Hospital St. Poelten, Krems, Austria; ³ Center for Anatomy and Cell Biology, Medical University of Vienna, Austria; ⁴ Division of Plastic and Reconstructive Surgery, Department of Surgery, Medical University of Vienna, Vienna, Austria

A-0172 Treatment Strategies for Injuries of the “Unforgiving” Radial Sensory Nerve

Elisabeth Maria Brakkee¹, Annemieke Stokvis², Erick DeVinney³, Ivica Ducic⁴, Henk Coert^(1,2)

¹ University Medical Center Utrecht, The Netherlands, ² Erasmus MC, University Medical Center, Rotterdam, The Netherlands, ³ AxoGen, Alachua, Florida, United States, ⁴ Washington Nerve Institute, McLean, VA, United States

A-0469 Incidence of neuroma at a tertiary hand centre: a review of 418 amputations

Sunil Parthiban, James Halle-Smith, Ali Majeed Jawad, Mark Foster, Dominic Power

Department of Hands and Peripheral Nerve Surgery, Queen Elizabeth Hospital Birmingham, Birmingham, UK

A-0495 Morbidity and function loss after resection of malignant peripheral nerve sheath tumors

Enrico Martin^{1,2}, Courtney Pendleton³, Cornelis Verhoef², Robert J. Spinner³, J. Henk Coert¹, MONACO collaborators

¹ University Medical Center Utrecht, The Netherlands ² Erasmus Medical Center Rotterdam, The Netherlands ³ Mayo Clinic Rochester, MI, United States of America

A-0656 MODERN: a prospective multicenter study on outcome-monitoring of trunk nerve lesions of the upper extremity

Leila Harhaus¹, Martin Aman¹, Daniel Schwarz², Annette Stolle¹, Arne Böcker¹, Lukas Pindur³, Martin Bendszus², Ulrich Kneser¹

¹ Department of Hand-, Plastic and Reconstructive Surgery, Burn Center, Department of Hand- and Plastic Surgery of Heidelberg University, BG Trauma Center Ludwigshafen ² Department of Neuroradiology, University Hospital Heidelberg ³ Department of Plastic and Reconstructive Surgery, BG Trauma Center Frankfurt

A-0152 Acute and long-term costs of 268 peripheral nerve injuries in the upper extremity

Konstantin D. Bergmeister,^{1,2,3} Luisa Große-Hartlage¹, Simeon C. Daeschler¹, Patrick Rhodius¹, Arne Böcker¹, Marius Beyersdorff², Axel Olaf Kern⁴, Ulrich Kneser¹, Leila Harhaus¹

¹ Department of Hand, Plastic and Reconstructive Surgery, Burn Center, BG Trauma Center Ludwigshafen, Plastic and Hand Surgery, University of Heidelberg ² Clinical Laboratory for the Restoration of Extremity Function, Department of Surgery, Medical University of Vienna, Austria ³ Department of Plastic, Aesthetic and Reconstructive Surgery, University Hospital St. Poelten, Austria ⁴ Faculty of Social Work, Health, and Nursing, Hochschule Ravensburg-Weingarten, Weingarten, Germany

A-0272 Effect of tourniquet in atraumatic common hand surgery on perioperative pain and short-term patient reported outcomes: a randomized controlled trial

Saskia de Roo¹, Wouter van Leeuwen¹, Brigitte van der Heijden^{1,2}

¹ Jeroen Bosch Hospital, 's-Hertogenbosch, The Netherlands; ² Radboud University Medical Center, Nijmegen, The Netherlands

A-0877 Nerve / Pain /Basic session commentary

Lars Dahlin

Live surgery 4

Friday, 18 June 2021 | 15:00 - 17:30 CEST (GMT+2) | Channel 1

15:00 – 16:00

Moderators onsite: Tjeerd de Jong - Alex Lluch

Experts online: Elisabet Hagert - Zaf Naqui

Table I: Ulna plus pathology

Ulna shortening plating

Surgeons: Assa Braakenburg - Mireia Esplugas

Table II: (Partial) wrist hand fusion (radiocarpal)

DIP/IP intramedullary implant

Plating (total fusion)

Surgeons: Anne Vochteloo - Jan Debeij

16:30 – 17:30

Moderators onsite: Mireia Esplugas - Joost Colaris

Expert online: Jan Debeij

Table I: SLAC/SNAC pathology: radioscapoid lunate fusion

RSL fusion plate

RSL screw fixation

Surgeons: Mick Kreulen - Xander Smit

Table II: (Partial) wrist fusion (carpal)

Screw (four corner)

Circular plating (partial) (four corner)

Surgeons: Niels Schep - Erik Walbeehm

Complex trauma

Free papers 20

Friday, 18 June 2021 | 17:30 - 18:30 CEST (GMT+2) | Channel 1

Chair: Pierluigi Tos

A-0606 Vein conduits used to improve the reliability of arterial suture repair by microsurgery. Randomised comparative study on rats.

Nicolas Bigorre¹, Alexandre Petit¹, Jérôme Jeudy¹, Yann Saint Cast¹, Jérôme Brunet¹, Henri Dominique Fournier²

¹ Centre de la Main, Angers, France; ² Laboratoire d'Anatomie - Faculté de Médecine, Angers, France

A-0138 Venous congestion complications after digital replantation treated with medicinal leeches

Mihaela Perteau^{1,2}, Alina Mihaela Stan², Dmitrii Leontii², Diana Al Khazaleh², Petru Ciobanu^{1,2}

¹ "Grigore T. Popa" University of Medicine and Pharmacy Iasi, Romania; ² Clinic of Plastic Surgery and Reconstructive Microsurgery, 'Sf. Spiridon' Emergency Hospital, Iasi, Romania

A-0268 Increase of Fat Graft Survival by Mesenchymal Stem Cell Recruiting Effect of Platelet Rich Plasma (PRP): in vivo and in vitro Study

Gokce Yildiran¹, Gulsemir Cicek², Z. Esin Celik³, Hulya Ozdemir⁴, Hasibe Artac⁴, Osman Akdag⁵, Selcuk Duman⁶, Mustafa Sutcu⁵, T. Murad Aktan⁶, Zekeriyä Tosun⁵

¹ Konya City Hospital, Hand Surgery Clinic, Konya, Turkey ² Kanuni Sultan Süleyman Training and Research Hospital, Histology and Embriology, Istanbul, Turkey ³ Selcuk University Medical Faculty, Pathology Dep, Konya, Turkey ⁴ Selcuk University Medical Faculty, Pediatric Immunology and Allergy Dep, Konya, Turkey ⁵ Selcuk University Medical Faculty, Plastic, Reconstructive and Aesthetic Surgery, Konya, Turkey ⁶ Necmettin Erbakan University Medical Faculty, Histology and Embriology Dep, Konya, Turkey

A-0657 Paediatric composite fingertip grafts: 7-year experience from a tertiary plastic surgery unit and a proposed management algorithm

James Carter, Nick Arkoulis

Royal Hospital for Children, Glasgow, UK.

A-0863 Complex trauma session commentary

Pierluigi Tos

WALANT / Trigger finger

Free papers 21

Friday, 18 June 2021 | 17:30 - 18:30 CEST (GMT+2) | Channel 2

Chair: Mireia Esplugas

A-0064 WALANT as a Safe, Reliable and Beneficial Modality for the Trainee Hand Surgeon - Analysis of a Consecutive Personal Patient Series

Sebastian Hediger^{1,2}, Dirk J. Schaefer¹, Andreas Gohritz¹

¹ Department of Plastic, Reconstructive, Aesthetic and Hand Surgery, University Hospital Basel, Basel, Switzerland ² Department of Hand- and Plastic Surgery, Spital Thurgau AG, Frauenfeld and Münsterlingen, Switzerland

A-0336 Trapezo-metacarpal arthroplasty (TMC) under Wide Awake Local Anesthesia with No Tourniquet (WALANT) versus Locoregional anesthesia with peripheral nerve blocks (LAPNV): result on peri and post-operative pain and early functional result, about 30 cases.

Lara Moscato¹, A. Laborde¹, P. Kouyoumdjian¹, R Coulomb¹, O. Mares¹.

¹ CHU de Nîmes, service de chirurgie orthopédique Pr Kouyoumdjian. Avenue du Pr Debré, 30000 Nîmes. France

A-0089 Wide Awake Local Anesthesia Surgery with Epinephrine is Safe: A Series of 4,287 Consecutive Hand & Upper Extremity Procedures

ASIF ILYAS, JOHN JENNINGS, LAUREN BANNER, JONAS MATZON

The Rothman Institute at Thomas Jefferson University Philadelphia, PA, USA

A-0262 What is the Infection Rate in Carpal Tunnel Syndrome and Trigger Finger Release Performed Under Wide Awake Anesthesia?

Ignacio Rellán¹, Pedro Bronenberg Victorica¹, Surya Kohan Fortuna Figueira¹, Gerardo Luis Gallucci¹, Agustin Guillermo Donndorff¹, Pablo De Carli¹, Ezequiel Ernesto Zaidenberg¹, Jorge Guillermo Boretto¹

¹Department of Orthopaedics, Hospital Italiano de Buenos Aires, Buenos Aires, Argentina Instituto de Ortopedia y Traumatología "Carlos E. Ottolenghi," Potosí 4215 (C1199ACK), Buenos Aires, Argentina

A-0123 Wide-Awake Hand Surgery Experience in 10 to 18 Years of Age

Zeynep Tuna¹, Egemen Ayhan²

¹ Department of Physiotherapy and Rehabilitation, Faculty of Health Sciences, Gazi University, Ankara, Turkey ² Department of Orthopaedics and Traumatology, Diskapi YB Training and Research Hospital, University of Health Sciences, Ankara, Turkey

A-0082 Out-of-sheath corticosteroid injections through the dorsal webspace for trigger finger and trigger thumb. A prospective case series.

Isidro Jiménez^{1,2}, José Medina^{1,2}, Alberto Marcos-García^{1,2}, Beatriz Romero¹, Gerardo L Garcés^{2,3}

¹ Hospital Universitario Insular de Gran Canaria, Las Palmas de Gran Canaria, Spain. ² Universidad de Las Palmas de Gran Canaria. Las Palmas de Gran Canaria, Spain. ³ Hospital Perpetuo Socorro. Las Palmas de Gran Canaria, Spain.

A-0436 Predicting preoperative pain levels of trigger finger patients scheduled for surgical release: a large cross-sectional study from the Hand and Wrist cohort

Daniek J. Bogerd (1,2), Christianne A. van Nieuwenhoven¹, Mark J. W. van der Oest (1-3), Ruud W. Selles (1,2), Harm P. Slijper (1-3), Jeroen M. Smit³, Robbert M. Wouters (1,2,4), The Hand-Wrist Study Group

¹ Department of Plastic, Reconstructive and Hand Surgery, Erasmus MC, Rotterdam, The Netherlands; ² Department of Rehabilitation Medicine, Erasmus MC, Rotterdam, The Netherlands; ³ Hand and Wrist Center, Xpert Clinic, The Netherlands; ⁴ Center for Hand Therapy, Handtherapie Nederland, Utrecht, The Netherlands

A-0651 Endoscopic Trigger Finger Release: Outcomes of a Novel Minimally Invasive Technique for the Treatment of Stenosing Tenosynovitis

Justin Mirza, Ather Mirza, Luke Zappia, Terence Thomas

Mirza Orthopedics, Smithtown, NY, USA

A-0884 WALANT / Trigger finger session commentary

Mireia Esplugas

Nerve Transfers

Free papers 22

Friday, 18 June 2021 | 17:30 - 18:30 CEST (GMT+2) | Channel 3

Chair: Gürsel Leblebicioğlu

A-0094 Anconeus nerv revised

Mauro Maniglio^{1,2,3}, Ezequiel Zaidenberg^{2,4}, Ezequiel Martinez⁴, Carlos Zaidenberg⁴

¹ CHUV University Hospital Lausanne, Switzerland; ² HFR, University Hospital Fribourg, Switzerland; ³ Hospital Italiano de Buenos Aires, Argentina;

⁴ Anatomy Department, School of Medicine, University of Buenos Aires

A-0497 Novel nerve transfer to the sterno(cleido)mastoid muscle: an experimental animal model for proprioceptive reinnervation

Vlad Tereshenko¹, Dominik Dotzauer¹, Udo Maierhofer¹, Christopher Festin¹, Matthias Luft¹, Gregor Längle¹, Olga Politikou¹, Konstantin D. Bergmeister (1,2), Roland Blumer³, Oskar C. Aszmann (1,4)

¹ Clinical Laboratory for Bionic Extremity Reconstruction, Division of Plastic & Reconstructive Surgery, Department of Surgery, Medical University of Vienna, Austria; ² Karl Landsteiner University of Health Sciences, Department of Plastic, Aesthetic and Reconstructive Surgery, University Hospital St. Poelten, Krems, Austria; ³ Center for Anatomy and Cell Biology, Medical University of Vienna, Austria; ⁴ Division of Plastic and Reconstructive Surgery, Department of Surgery, Medical University of Vienna, Vienna, Austria

A-0195 Outcomes of Anterior Interosseous Nerve Transfer to Restore Intrinsic Muscle Function after High Ulnar Nerve Injury

Samuel George, Abdus Burahee, Andrew Sanders, Dominic Power

Queen Elizabeth Hospital, Birmingham, UK

A-0496 Double nerve transfer for reconstruction of pinch in high ulnar nerve palsy

Samuel Hodgson¹ Jacek Parylo¹ Tahseen Chaudhry²

¹ The Medical School, University of Birmingham, UK ² Department of peripheral nerve surgery, University Hospital Birmingham, UK

A-0158 Creation of a “Bio-Screen” through Multiple Nerve Transfers to a Single Target Muscle for High Fidelity Prosthetic Control

Matthias Luft^{1,2}, Konstantin D. Bergmeister^{1,2,4}, Johanna Klepetko^{1,2}, Vlad Tereshenko^{1,2}, Christopher Festin^{1,2}, Gregor Längle^{1,2}, Olga Politikou^{1,2}, Oskar C. Aszmann^{1,2,3}

¹ Clinical Laboratory for Bionic Extremity Reconstruction, Division of Plastic & Reconstructive Surgery, Department of Surgery, Medical University of Vienna, Austria; ² Center for Biomedical Research, Medical University of Vienna, Austria; ³ Division of Plastic and Reconstructive Surgery, Medical University of Vienna, Vienna, Austria; ⁴ Karl Landsteiner University of Health Sciences, Department of Plastic, Aesthetic and Reconstructive Surgery, University Hospital St. Poelten, Krems, Austria

A-0254 Treatment of Spastic Forelimb Hypertonia with Cognitive Muscle Reinnervation in Upper Motor Neuron Syndrome

Olga Politikou¹, Vlad Tereshenko¹, Matthias Luft¹, Christopher Festin¹, Gregor Längle¹, Silvia Muceli², Oskar Aszmann¹

¹ Clinical Laboratory for Bionic Extremity Reconstruction, Department of Surgery, Medical University of Vienna, Austria ² Electrical Engineering, Chalmers University of Technology, Sweden

A-0879 Nerve Transfers session commentary

Gürsel Leblebicioğlu

Kienböck

Free papers 23

Friday, 18 June 2021 | 17:30 - 18:30 CEST (GMT+2) | Channel 4

Chair: Matthias Vanhees

A-0078 Is core decompression an effective treatment for Kienböck's disease in middle-aged patients?

Mauro Maniglio (1,2,3) Ezequiel Zaidenberg³ Thürig Gregoire² Emanuel Gautier² Jorge Boretto³ Pablo De Carli³

¹ CHUV University hospital Lausanne, Switzerland; ² HFR, University Hospital Fribourg, Switzerland; ³ Hospital Italiano de Buenos Aires, University hospital, Argentina

A-0093 Is there a correlation between the clinical and radiological outcome after radius core decompression for Kienböck's disease?

Mauro Maniglio, ^{1,2,3} Ezequiel Zaidenberg, ² Simon Roner ⁴ Emanuel Gautier ³ Gerardo Gallucci ² Pablo De Carli ²

¹ CHUV, University Hospital Lausanne, Switzerland ² Hospital Italiano de Buenos Aires, Argentina ³ HFR, University hospital Fribourg, Switzerland ⁴ KSGR, Kanton Hospital Chur, Switzerland

A-0163 Is sufficient treatment of Kienböck's disease possible using the osteochondral flap from the lateral femoral condyle?

Christian M Windhofer^{1,2}, Heinz K Bürger³, Alexander Gaggli⁴

¹ Trauma Department, Unfallkrankenhaus Salzburg, Austria ² Ludwig-Boltzmann-Institut for experimental and clinical traumatology, Vienna, Austria ³ Privat Hospital Maria Hilf, Klagenfurt, Austria. ⁴ General Hospital Salzburg, Department of maxillar surgery, Salzburg, Austria

A-0155 Improvement of lunare perfusion after radial closing wedge osteotomy in patients with Kienböck's disease

Jeong Hyun Lee, Yo-Han Lee, Kee Jeong Bae, Jihyeung Kim, Hyun Sik Gong, Young Ho Lee, Goo Hyun Baek,

Department of Orthopaedic Surgery, Seoul National University, College of Medicine, Seoul, South Korea

A-0561 Lunate fragmentation in Kienbock's disease – 29 cases.

J.C.Botelho Hospital Lusiadas, Lisboa; Hospital de Sant'Ana, Parede, Portugal
Hospital Lusiadas, Lisbon, Portugal

A-0232 Proximal row carpectomy: with or without radial styloidectomy?

Geert van Rijt, Robin E. Delnoy, Elske E.D.J. Bonhof-Jansen, Tjeerd R. de Jong
Isala, Zwolle, The Netherlands

A-0876 Kienböck session commentary

Matthias Vanhees

Meet the Industry

Friday, 18 June 2021 | 18:30 - 19:00 CEST (GMT+2) | Channel 1

Nerve gap and reconstruction (incl allograft)

Nerve Round table 1

Friday, 18 June 2021 | 19:00 - 20:00 CEST (GMT+2) | Channel 1

Chair: Lars Dhalin, Bruno Battiston

A-0729 Nerve graft - how, when and expected results

Erik Walbeehm

A-0730 Tubulization - wick, when and why

Pierluigi Tos

A-0731 Nerve allograft : indication and results

Bauback Safa

A-0732 Nerve transfers: when and why

Jean-Noel Goubier

A-0733 Management of painful neuroma

Ivica Ducic

How to manage ulnar sided wrist pain

Wrist Round table 1

Friday, 18 June 2021 | 19:00 - 20:00 CEST (GMT+2) | Channel 2

Chair: Alex Lluch, Carlos Heras-Palou, Jan-Ragnar Haugstvedt

A-0806 Ulnar sided wrist pain

Jan-Ragnar Haugstvedt
Oslo, Norway

Efficacy and durability of treatment for recurrent Dupuytren's contracture

Complicated Cases Round table 1

Friday, 18 June 2021 | 19:00 - 20:30 CEST (GMT+2) | Channel 3

Chair: Paul Werker

A-0762 Problem of the definition of recurrence; results of treatment of recurrences with PNF

Paul Werker

A-0763 how to handle recurrence following treatment with CCH. When to do what? Short and long term results

David Warwick

A-0764 Dermofasciectomy and skin grafting. When and how to do it? Short and long term results

Ilse Degreef

A-0765 Outcome of arthrodesis for severe recurrent proximal interphalangeal joint contractures in Dupuytren's disease. When and how to do it? Short and long term results

Michelle Spiteri

Q&A and Case discussion

Nerve transfers in OBP: indications, alternatives and results
Nerve Round table 2

Friday, 18 June 2021 | 20:00 - 21:00 CEST (GMT+2) | Channel 1

Chair: Francisco Soldado

A-0755 SAN-SSN

Kevin Little

A-0756 Oberlin

Jayne Bertelli

A-0757 Triceps to axillary

Amr El-Sayed

A-0758 Intercostals

Dan Zlotolow

A-0759 Contralateral C7

Gürsel Lelebicioglu

A-0760 SAN-infraspinatus / Triceps-Teres minor

Francisco Soldado

Discussion

Myths and facts about wrist proprioception
Wrist Round table 2

Friday, 18 June 2021 | 20:00 - 21:00 CEST (GMT+2) | Channel 2

Chair: Alex Lluch, Carlos Heras-Palou

A-0810 Wrist proprioception. Fact or myth?

Elisabet Hagert

Stockholm, Sweden

A-0811 Role of neuromuscular control in the stabilization of ligament-deficient wrists

Mireia Esplugas
Barcelona, Spain

**Recurrent/persistent CMC thumb pain after trapeziectomy
Complicated Cases Round table 2**

Friday, 18 June 2021 | 20:30 - 22:00 CEST (GMT+2) | Channel 3
Chair: Flip Stockmans

A-0887 Re-suspension options after failed Trapeziectomy

Flip Stockmans

A-0888 Revisions after failed Resection-Interposition-Arthroplasty of the CMC I joint

Daniel Herren

A-0889 Surgical options after failed CMC joint total arthroplasty

Michel Chammas

**Treatment of recurrent carpal and cubital tunnel
Nerve Round table 3**

Friday, 18 June 2021 | 21:00 - 22:00 CEST (GMT+2) | Channel 1
Chair: Francisco del Piñal

A-0761 Recurrent carpal tunnel

Roberto Adani

A-0726 Irritative carpal tunnel syndrome (ICTS)

Francisco del Pinal

A-0727 Recurrent ulnar tunnel

Mike Ruettermann

A-0728 Last resort options for failed cubital and carpal tunnel decompression

J Henk Coert

Q&A

**Is there any certainty in Kienböck's disease
Wrist Round table 3**

Friday, 18 June 2021 | 21:00 - 22:00 CEST (GMT+2) | Channel 2
Chair: Alex Lluch, Carlos Heras-Palou, Greg Bain

A-0809 An algorithm for management of Kienbock's disease

Greg Bain
Adelaide, Australia

A-0808 Kinematics of Kienbock's Disease

Simon MacLean, Greg Bain
Tauranga, New Zealand

Instructional Course 3

Saturday, 19 June 2021 | 07:20 - 09:00 CEST (GMT+2) | Channel 1

A-0718 Flexor tendon repair - managing complications

Gwendolyn van Strien

A-0719 Prevention and management of complications after peripheral nerve surgery; the hand therapy options

Ton Schreuders

A-0720 Hand therapy. Prevention and management of complications in bone and joint fractures

Gert-Jan Kroon, Elske Bonhof-Jansen

A-0721 Debunking CRPS

Francisco del Pinal

A-0722 Management expectations/Factitious disorders

Randy Bindra

A-0723 Informed consent - preventing medicolegal issues

Randy Bindra

Australia

A-0724 Complications - what they do to the surgeon

David Warwick

A-0725 Complications: what is does with the patient

Terry Whipple

Potential Complications of Wrist arthroscopy, and How to avoid and treat?

EWAS lecture session 1

Saturday, 19 June 2021 | 08:00 - 09:00 CEST (GMT+2) | Channel 2

Chair: J Henk Coert, Eva-Maria Baur

A-0793 Treatment of distal radio-ulnar joint problems

J Henk Coert

The Netherlands

A-0794 Complications of Wrist Arthroscopy: A Multicenter Study Based on 10,107 Arthroscopies

Christophe Mathoulin

France

A-0795 DRUJ arthroscopy and TFCC repair concept

Toshi Nakamura

Japan

A-0796 Wrist palmar ganglia cysts: why IWAS members use so many different arthroscopic techniques?

Philippe Liverneaux

France

A-0797 Early mobilization and ligament instability

Max Haerle

Germany

A-0798 Arthroscopic refixation of TFCC by bone screw anchor

Nicole Schmelzer-Schmied
Switzerland

A-0886 Designing a 20 mm incision to protect the dorsal branch of the ulnar nerve during arthroscopic repair of TFCC

Wedhong Xu

Patient-reported measures for better care; how do we get beyond the traditional outcome measures?

Round-table

Saturday, 19 June 2021 | 09:00 - 12:00 CEST (GMT+2) | Channel 1

Chairs: Simon Farnebo, Ruud Selles

Patient-reported outcome measures have been advocated for decades as tools for patient-centered care and value-based healthcare. Classical patient-reported that measure in hand surgery measure pain, hand function, quality of life, and return to work are slowly working their way into daily clinical care. In recent years, however, other types of patient-reported measures have been proposed, such as experience measures, single-item questionnaires, screening instruments for psychological variables and expectations, and alternative outcome concepts have been proposed, such as the patient-acceptable symptom state. In this session, different presenters will present and discuss innovation in patient-reported measures and their use to improve the quality of hand surgery in daily practice.

A-0787 Introduction

Simon Farnebo

A-0788 Using patient-reported data at point of care

Robin Kamal

A-0789 Keeping it simple: Hand Normality and the Net Promoter Score

Paul Stirling

A-0790 Patient-reported experience measures; about more than the quality of coffee

Ruud Selles

A-0791 How good is good enough? Minimal Important Change and Patient Acceptable Symptom State

Miriam Marks

A-0792 Measuring patient-reported expectations and mindset; a pathway to improve outcome?

Mark van der Oest

Arthroscopic management of complex wrist instability

EWAS lecture session 2

Saturday, 19 June 2021 | 09:00 - 10:00 CEST (GMT+2) | Channel 2

Chair: Jan Ragnar Haugstvedt, Nicole Schmelzer-Schmied

A-0799 Arthroscopic Assisted Reconstruction of LT-Ligament

Jan Ragnar Haugstvedt
Norway

A-0800 Arthroscopic-Assisted Partial Wrist Arthrodesis

Eva-Maria Baur
Germany

A-0801 Arthroscopic Distal Scaphoid Resection for Scapho-Trapezium-Trapezoid Arthritis

Riccardo Luchetti
Italy

A-0802 Effectiveness of an Arthroscopic Technique to Correct Supination Losses of 90° or More

Francisco del Pinal
Spain

A-0803 Salvage of Failed ABG in Scaphoid Nonunion

PC Ho
Hong Kong

A-0804 TFCC anatomy: a new arthroscopy and functional 3D-3 part concept

Guillaume Herzberg, Marion Burnier
France

A-0805 Management of complex wrist injuries

Greg Bain
Australia

**Pediatric hand surgery - Congenital malformations and complication
Round table**

Saturday, 19 June 2021 | 09:00 - 12:00 CEST (GMT+2) | Channel 3

Chair: Steven Hovius, Daniel Weber, Wee Leon Lam

The well-known saying is: I learned the most from my complications, I still remember them well!
Join us at the congenital hand session June 19th. Experts in the field will elaborate on their complications and will discuss on their complications what they did about it and how to prevent them.
Twelve different hand and forearm anomalies will be presented with ample time for discussion.

A-0812 Syndactyly

Daniel Weber

A-0813 Syndactyly, using artificial grafts

Lorenzo Garagnani

A-0814 Apert Syndrome

Henk Giele

A-0815 Radial Polydactyly

Christianne van Nieuwenhoven

A-0816 Triphalangeal Thumb

Steven Hovius

A-0819 Cleft Hand

Stéphane Guero

Break

A-0817 Hypoplastic thumb, Grade 2 and 3A

Dean Boyce

A-0818 Pollicisation

Marybeth Ezaki

A-0820 Arthrogryposis

Scott Oishi

A-0821 Symbrachydactyly

Gill Smith

A-0822 Macroductyly

Andrea Jester

A-0823 Longitudinal radial deficiency

Rolf Habenicht

General Discussion

A-0824 PULPe

Daniel Weber

**Hand trauma Prevention and prevention of complications
Trauma and Prevention Round table 1**

Saturday, 19 June 2021 | 09:00 - 10:00 CEST (GMT+2) | Channel 4

Chair: Anna De Leo, Geert Buijze

A-0734 Possible ideas for a trauma prevention campaign in Europe

Anna De Leo

A-0735 Prevention of most common mistakes in hand trauma

Zoe Dailiana

A-0736 Prevention of complication in replantation surgery

Pierluigi Tos

**Arthroscopic management of wrist instability
EWAS Live surgery demonstration**

Saturday, 19 June 2021 | 10:00 - 12:00 CEST (GMT+2) | Channel 2

Moderators: Max Haerle, J Henk Coert

Program synopsis:

1. Short refresher of wrist arthroscopy, how to avoid complications, know your equipment
2. Different techniques to reconstruct Scaphoid Lunate tears
3. Different techniques to reconstruct TFCC instability

Invited surgeons:

Max Haerle
Andrea Atzei
Michel Levadoux
Mireia Esplugas
Niels Schep
Joost Colaris
Roland Klein Nagelvoort
Henk Coert

Table 1 Arthroscopic Scapholunate repair:

- Intro with slides (3 min) Niels Schep
- Capsulodesis with(out) anchor (35 min) Max Haerle / Niels Schep

LIVE FROM Hong Kong: Box PC Ho reconstruction (15 min) PC Ho

- Intro with slides (3 min) Roland Klein Nagelvoort
- Stabilization SL and with resection/interposition arthroplasty (45 min) Michel Levadoux / Joost Colaris

LIVE FROM Madrid: Corella reconstruction (15) Fernando Corella

Table 2 Arthroscopic repair of the TFCC:

- Intro with slides (3 min) J Henk Coert
- TFCC: fovea repair with anchor (25 min) Andrea Atzei / J Henk Coert
- Capsular repair (25 min) Mireia Esplugas / Roland Klein Nagelvoort
- Intro with slides (3 min) Joost Colaris
- TFCC Reconstruction (with tendon graft) (50 min) Andrea Atzei / Mireia Esplugas

Remote moderator from Norway: Jan Ragnar Haugstvedt

Prevention in most common trauma complications

Trauma and Prevention Round table 2

Saturday, 19 June 2021 | 10:00 - 11:10 CEST (GMT+2) | Channel 4

Chair: Igor Gobulev, Pierluigi Tos

A-0737 How to prevent complications in distal radius ORIF

Marcos Sammartin Fernandez

A-0738 Prevention of complications in nail injuries

Christian Dumontier

A-0739 Flaps for the pulp of long fingers - the correct strategy

Roberto Adani

A-0740 How to avoid complication in zone II tendon repair

Maurizio Calcagni

A-0741 Avoid problems in hand infections

David Shewring

A-0742 Is there a way to reduce complications in terminalization of fingers?

Alessandro Crosio

Complex Regional Pain Syndrome

Trauma and Prevention Round table 3

Saturday, 19 June 2021 | 11:10 - 12:00 CEST (GMT+2) | Channel 4

Chair: Piotr Czarnecki

A-0743 A modern pharmacologic approach to CRPS with neridronate

Simona Odella, Massimo Varenna, Chiara Crotti

A-0744 Surgery for some "CRPS" patients - who, how, and when -

Francisco del Pinal

Wrist arthroplasty / COVID

Free papers 24

Saturday, 19 June 2021 | 12:30 - 13:30 CEST (GMT+2) | Channel 1

Chair: Juan José Hidalgo Diaz

A-0184 PROSTHETIC REPLACEMENT OF THE WRIST

sandra pfanner, giovanni munz, giulio lauri, prospero bigazzi

Hand Surgery and Reconstructive Microsurgery Unit - AOU Careggi Hospital, Florence ITALY

A-0242 Universal 2 Total Wrist Arthroplasty for Rheumatoid Arthritis

David Veigl, Stanislav Popelka, Jan Pech

David Veigl

A-0647 Hand Trauma injury pattern during the Pandemic

Bafiq Nizar^{1,2} Tae Park¹ Qureish Vanat¹ Ohema Powell¹ Maximilian Gardner¹ Ellie Ctori¹ Ella Tumelty¹ Jill Webb¹ Rajive Jose¹ Samuel George¹ Mark Foster¹ Darren Chester¹ Dominic Power¹

¹ Birmingham Hand Centre, University Hospitals NHS Foundation Trust, United Kingdom ² St. John's Hospital, Livingston, United Kingdom

A-0512 Should we stop elective surgery during a pandemic ?

Bafiq Nizar^{1,2} Tae Park¹ Qureish Vanat¹ Ohema Powell¹ Maximilian Gardner¹ Ellie Ctori¹ Ella Tumelty¹ Jill Webb¹ Rajive Jose¹ Dominic Power¹

¹ Birmingham Hand Centre, University Hospitals NHS Foundation Trust, United Kingdom ² St. John's Hospital, Livingston, United Kingdom

A-0500 A Safe Protocol for Intra-articular Steroid Injections to the Hand During COVID-19 Pandemic

Sofia Eriksson, Iain Roy, Robert Manton, Patrick Goon, Frederik Schreuder

Lister Hospital, Stevenage, UK.

A-0644 Patient Reported Outcome Measure in Hand Trauma Surgery During a Pandemic

Bafiq Nizar^{1,2} Tae Park¹ Qureish Vanat¹ Ohema Powell¹ Maximilian Gardner¹ Ellie Ctori¹ Ella Tumelty¹ Jill Webb¹ Rajive Jose¹ Dominic Power¹

¹ Birmingham Hand Centre, University Hospitals NHS Foundation Trust, United Kingdom ² St. John's Hospital, Livingston, United Kingdom

A-0511 Patient-reported outcome measures in management of paediatric traumatic fingertip injuries using skin glue or sutures: a comparative study before and during COVID

Jia Choong¹, Colin Brewster¹, Aayushi Singal², Nikita Shah¹, Nicola Gallaher¹, Aisha Hussein², Ming Ing Chew², Yan Tsui², Ethel Ojo², Kezia Echlin¹, Andrea Jester¹

¹ Birmingham Children's Hospital, United Kingdom ² Aston Medical School, United Kingdom

A-0453 Post-Prone Plexopathy in COVID-19 Critical Care Patients: a regional hand and nerve surgery service's experience and recommendations at a major critical care centre

Ali M. Jawad, Jack Jeffrey, Emma Cahill, Caroline Miller, Joel O'Sullivan, Andrew Sanders, Abdus Burahee, Dominic Power

HaPPeN Research Group, Queen Elizabeth Hospital, Birmingham, United Kingdom

A-0885 Wrist arthroplasty / COVID session commentary

Juan José Hidalgo Diaz

Carpal / arthroscopy

Free papers 25

Saturday, 19 June 2021 | 12:30 - 13:30 CEST (GMT+2) | Channel 2

Chair: Gerald Kraan

A-0582 Surgical treatment of chronic (misdiagnosed) perilunate fracture dislocations

Sergii Strafun, Oleksii Dolhopolov, Sergii Tymoshenko, Serhii Bezruchenko, Maryna Yarova

SI «Institute of traumatology and orthopedics of the NAMS of Ukraine», Kyiv, Ukraine

A-0399 Outcomes of a proprioceptive retraining program in patients with midcarpal instability; a cohort study of 194 patients

Mart Brands^{1,2}, Ruud Selles^{1,2}, Yara van Kooij^{1,2,4}, Reinier Feitz³, Harm Slijper³, Robbert Wouters^{1,2,4}

¹Department of Plastic, Reconstructive and Hand Surgery, Erasmus MC, Rotterdam, The Netherlands; ²Department of Rehabilitation Medicine, Erasmus MC, Rotterdam, The Netherlands; ³Hand and Wrist Center, Xpert Clinic, Amsterdam, The Netherlands; ⁴Center for Hand Therapy, Handtherapie Nederland, Utrecht, The Netherlands

A-0486 Differences in psychological factors between patients treated operatively and patients treated conservatively for carpal instability

W. Davids, B. Hesselings, G.A. Kraan, N.M.C. Mathijssen
Reinier de Graaf Hospital, Delft, The Netherlands

A-0671 ScaphoTrapezioTrapezoidal Joint Arthritis Arthroscopic Treatment with Tendon allograft Double Interposition

Rita Pereira Cavaca¹, Paulo Gil Ribeiro¹, Catarina Quintas¹, Paulo Costa¹, José Alexandre Marques¹
1- Centro Hospitalar e Universitário de Coimbra, Orthopaedics Department, Portugal

A-0605 Clinical and biomechanical evaluation of STT arthrodesis

Artur Soczka¹, Marta Jokiel (1,2), Piotr Czarnecki¹, Leszek Romanowski¹
1. Traumatology, Orthopedics and Hand Surgery Department Poznan University of Medical Sciences, Poland 2. Physiotherapy Clinic Poznan University of Medical Sciences, Poland

A-0520 Diagnostic arthroscopy in the surgical planning of wrist Osteo-arthritis

Jane C Messina¹, Riccardo Luchetti², Paolo Arrigoni¹, Alessandra Menon¹, Pietro Randelli¹
1) First Orthopaedic Clinic, University of Milan, Gaetano Pini- CTO Orthopaedic Institute, Milan, Italy 2) Rimini Hand Centre, Rimini, Italy

A-0275 Arthroscopic synovectomy of the wrist in patients with rheumatoid arthritis: a systematic review and meta-analysis

Philip d'Ailly¹, Marjolein Mulders¹, Radjesh Bissoendial², Marc Kok², Henk Coert³, Niels Schep¹
¹ Department of Hand and Trauma Surgery, Maasstad Hospital, Rotterdam, the Netherlands; ² Department of Rheumatology, Maasstad Hospital, the Netherlands; ³ Department of Hand Surgery, University Medical Centre Utrecht, the Netherlands

A-0859 Carpal / arthroscopy session commentary

Gerald Kraan

Congenital thumb/radius

Free papers 26

Saturday, 19 June 2021 | 12:30 - 13:30 CEST (GMT+2) | Channel 3

Chair: Christianne van Nieuwenhoven

A-0288 A Systematic Review of Vascularized Toe and Non-Vascularized Toe Phalangeal Transfer for Reconstruction of Congenital Absence of Digits or Thumb

Abigail E Meyers, Bahar Bassiri Gharb, Antonio Rampazzo
Cleveland Clinic, Cleveland, OH, USA

A-0180 Reconstruction of severely hypoplastic thumb by non-vascularized metatarsal graft with abductor digiti minimi opponensplasty

Takehiko Takagi¹, Ruriko Iigaya¹, Atsuhito Seki¹, Shinichiro Takayama¹
¹ National Center for Child Health and Development, Tokyo, Japan

A-0557 Complications in congenital thumb hypoplasia treatment

Igor Shvedovchenko¹, Andrei Koltsov¹
¹ Federal State Budgetary Institution «Federal Scientific Center of Rehabilitation of the Disabled named after G.A. Albrecht» of the Ministry of Labour and Social Protection of the Russian Federation, St.Petersburg, Russia

A-0251 The Morphology of Soft Tissue Abnormalities in Radial Longitudinal Deficiencies: Multiple Tissue Analysis in Experimentally Generated Malformations with the Chicken Model

Julia Dong Hwa Oh¹, Wee Leon Lam², Megan G. Davey¹
¹ The Roslin Institute, Edinburgh, UK ² Royal Hospital for Sick Children, Edinburgh, UK

A-0591 Assessment of ulnar elongation by distraction osteogenesis in radial longitudinal deficiency.

Michał Górecki, Piotr Czarnecki, Marcin Redman
Department of Traumatology, Orthopaedics and Hand Surgery, Poznań University of Medical Sciences,

A-0522 Primary surgery for radial polydactyly: long-term follow up

Lisa Ng¹, Susan Stevenson¹, Helen Stark¹, Jane Maraka¹, Brid Crowley¹
¹ Department of Plastic and Reconstructive Surgery, Royal Victoria Infirmary, Newcastle upon Tyne Hospitals NHS Foundation Trust, Newcastle upon Tyne, United Kingdom

A-0572 Elbow joint formation in children with congenital humeroradial synostosis.

Andrey Koltsov¹, Igor Shvedovchenko¹
Federal State Budgetary Institution «Federal Scientific Center of Rehabilitation of the Disabled named after G.A. Albrecht» of the Ministry of Labour and Social Protection of the Russian Federation Russian Federation, 195067, St.Petersburg, Bestuzhevskaya street, 50

A-0864 Congenital thumb/radius session commentary

Christianne van Nieuwenhoven

Infections

Free papers 27

Saturday, 19 June 2021 | 12:30 - 13:30 CEST (GMT+2) | Channel 4

Chair: Frederik Verstreken

A-0084 Antibiotic Prophylaxis in Clean Hand Surgery: Prospective Analysis of Major & Minor Complications

JUSTIN KISTLER, ASIF ILYAS

The Rothman Institute at Thomas Jefferson University Philadelphia, PA, USA

A-0297 A microbiological analysis of 210 cases of hand osteomyelitis

Dallan Dargan^{1,2} Matthew Wyman^{1,2} Dominic Ronan¹ Mark Heads³ Dave Partridge^{4,5} Jennifer Caddick¹ Victoria Giblin^{1,2}

¹ Sheffield Hand Centre, Sheffield Teaching Hospitals NHS Foundation Trust, UK ² Academic Medical Unit, University of Sheffield, UK ³ Sheffield Medical School, University of Sheffield, UK ⁴ Department of Microbiology, Sheffield Teaching Hospitals NHS Foundation Trust, UK ⁵ Florey Institute for Host-Pathogen Interactions, University of Sheffield, UK

A-0299 Hand osteomyelitis: a review of the literature over the last 30 years

Dallan Dargan^{1,2} Matthew Wyman^{1,2} Dominic Ronan¹ Megan Baker¹ Dave Partridge^{3,4} Jennifer Caddick¹ Victoria Giblin^{1,2}

¹ Sheffield Hand Centre, Sheffield Teaching Hospitals NHS Foundation Trust, UK ² Academic Medical Unit, The University of Sheffield, UK ³ Department of Microbiology, Sheffield Teaching Hospitals NHS Foundation Trust, UK ⁴ Florey Institute for Host-Pathogen Interactions, University of Sheffield, UK

A-0117 Hand osteomyelitis in arterial calcification, diabetes mellitus and end stage renal failure: a comparison of 210 cases over 12 years

Matthew Wyman^{1,2}, Dallan Dargan^{1,2}, Jennifer Caddick¹, Victoria Giblin^{1,2}

¹ Sheffield Teaching Hospitals NHS Foundation Trust, United Kingdom; ² Academic Medical Unit, The University of Sheffield, United Kingdom

A-0540 The Utility of Prophylactic Antibiotics in Preventing Infection After Internal Fixation of Closed Fractures of the Hand

Guy Feldman¹, Hagay Orbach¹, Nimrod Rozen^{1,2}, Guy Rubin^{1,2}

¹ Orthopedic Department, Emek Medical Center, Afula, Israel ² Faculty of Medicine, Technion, Haifa, Israel

A-0465 Early bone biopsy and treatment failure rates in osteomyelitis of the hand: a study of 92 patient outcomes

Dominic Ronan¹ Dallan Dargan^{1,2} Matthew Wyman^{1,2} Dave Partridge^{3,4} Jennifer Caddick¹ Victoria Giblin^{1,2}

¹ Sheffield Hand Centre, Sheffield Teaching Hospitals NHS Foundation Trust, UK ² Academic Medical Unit, University of Sheffield, UK ³ Department of Microbiology, Sheffield Teaching Hospitals NHS Foundation Trust, UK ⁴ Florey Institute for Host-Pathogen Interactions, University of Sheffield, UK

A-0276 Silver Ion Doped Hydroxyapatite Coated Titanium Pins Prevent Bacterial Colonization

Adnan Sevensan, Elif Kartal Doyuk, Nusret Kose

Eskisehir Osmangazi University, Eskisehir, Turkey

A-0398 Risk factors for complications following cat bite injuries of the hand

Isabella Fassola, Mojtaba Ghods

Plastische, Ästhetische, Rekonstruktive Mikro/Handchirurgie, Klinikum Ernst von Bergmann GmbH, Potsdam, Germany

A-0875 Infections session commentary

Frederik Verstreken

SLAC/SNAC wrist

Nation Competition 7

Saturday, 19 June 2021 | 13:30 - 14:15 CEST (GMT+2) | Channel 1

Moderators: Alex Lluch

A-0851 SLAC / SNAC? - PRC rules!

Jonny Andersson

A-0852 SLAC / SNAC wrist - Three bones arthrodesis (Pseudo Proximal Row Carpectomy)

Emmanuel Camus

A-0853 SNAC/SLAC: four corner fusion

Mikko Raisanen

Avascular proximal scaphoid pole

Nation Competition 8

Saturday, 19 June 2021 | 14:15 - 14:45 CEST (GMT+2) | Channel 1

Moderators: Brigitte van der Heijden, Christina Lipede

A-0854 Avascular proximal scaphoid pole 1

Philippe Bellemère

A-0855 Avascular proximal scaphoid pole 2

Rohit Arora

A-0890 Mike Hayton

Scaphoid Nonunion

Nation Competition 9

Saturday, 19 June 2021 | 14:45 - 15:30 CEST (GMT+2) | Channel 1

Moderators: Geert Buijze, Antoine Martins

A-0856 Scaphoid Nonunion: non-vascularized arthroscopic bone graft

Pedro Delgado

A-0857 Scaphoid Nonunion: Nonvascularized open technique

Pascal Hanneman

A-0858 Vascularized bone graft for Scaphoid Nonunion: Medial Femoral Condyle

Gernot Schmidle

Closing ceremony

Saturday, 19 June 2021 | 15:30 - 15:45 CEST (GMT+2) | Channel 1

Poster Gallery

A-0160 Radiographic measurements of the normal distal radius: reliability of computer-aided CT versus physicians' radiograph interpretation

Nora Suojärvi, Nina Lindfors, Theresa Höglund, Robert Sipponen, Eero Waris

Department of Hand Surgery, Helsinki University Hospital and University of Helsinki, Helsinki, Finland

A-0013 Improving hand trauma clerking using an electronic proforma: a full cycle clinical audit

Joshua Luck, Kate Spiteri, Annabelle Lim, Jamil Moledina, Roger Adlard

St George's Hospital, London, UK

A-0017 Unstable non-union of the scaphoid, does the DCSS may play a role?

Isidro Jiménez¹, Pedro J Delgado², José Medina³

¹ Hospital Universitario Insular de Gran Canaria, Las Palmas de Gran Canaria, Spain. ² Hospital Universitario HM Montepríncipe, Madrid, Spain. ³ Mutua de Accidentes de Canarias -MAC-. Las Palmas de Gran Canaria, Spain.

A-0018 Three-dimensional printed customised adjustable mallet finger splint: A cheap, effective and comfortable alternative.

Theodora Papavasiliou¹, Rushabh K Shah¹, Stelios Chatzimichail², Lauren Uppal¹, Jeffrey C.Y Chan¹

¹ Guy's and St Thomas' Hospitals, London, UK; ² Imperial College, London, UK

A-0022 Nurse-led Steroid Injection Clinics: An Evaluation of Patient Perceptions and Financial Implications

Su Jeong¹, Kate Spiteri², Jamil Moledina²

¹ St George's University of London, UK; ² St George's University Hospitals NHS Foundation Trust, UK

A-0641 Gunshot injuries of the hand: fractures of the metacarpal bones with defects along the diaphysis and their treatment in a specialized center

Daragan R.¹, Tovstograi V.², Kondrashova I.¹

City Clinical Hospital No. 16¹, Dnipro Railway Clinical Hospital² Dnipro, Ukraine

A-0029 Management of coexisting Lipofibromatous Hamartoma on the median and ulnar nerve. Clinical case and literature review.

Ana Scott-Tennent De Rivas¹, Laura Prats Gispert^{1,2}, Amer Mustafa Gondolbeu^{1,2}, Pau Forcada Calvet^{1,2}, Marta Bonjorn Marti^{1,2},

¹ Hospital Universitari Arnau de Vilanova, Spain; ² Universitat de Lleida, Spain

A-0036 The clinical results and surgical indication of volar rim plate fixation for distal radius fracture

Young Woo Kwon¹, Ji Hun Park¹, In Cheul Choi¹, Jong Woong Park¹

¹ Korea University College of Medicine, Seoul, South Korea

A-0037 Patient-reported outcomes one year after proximal interphalangeal joint arthroplasty for osteoarthritis

Notermans BJW¹, van der Oest MJW², de Boer HL³, Selles RW², the Hand-Wrist Study group*², van der Heijden EPA^{1,4}

¹ Radboudumc, Nijmegen, the Netherlands ² Erasmus MC, Rotterdam, the Netherlands ³ Xpert Clinic, the Netherlands ⁴ Jeroen Bosch Ziekenhuis, 's-Hertogenbosch, the Netherlands

A-0046 Ultrasound based measuring method of scapholunate dislocation during scaphoid shift test

Raffael Labèr, Lisa Reissner, Ladislav Nagy, Andreas Schweizer

Department of Orthopaedics, Balgrist University Hospital, Forchstrasse 340, 8008 Zürich, Switzerland

A-0047 Transthyretin amyloidosis with Bifid Median Nerve as a cause of Bilateral Carpal Tunnel Syndrome: Hand surgeons warning Case Report

Andreu Triguero Espinosa¹, Silvia Lopez Marné¹, Alfred Llop Corbacho¹, Jose Moranas Barrero¹, Joaquim Casañas Sintes¹, José Luis Agulló Ferrer¹

¹ Bellvitge University Hospital, Hospitalet de Llobregat, Spain.

A-0050 A standardised hand fracture fixation training framework for surgical residents using novel 3D printed ex-vivo hand models: our experience as a unit.

Theodora Papavasiliou¹, Stelios Chatzimichail², Jeffrey C.Y Chan¹, Charles J Bain¹, Lauren Uppal¹ ¹ Department of Plastic Surgery, Guys' and St' Thomas' Hospitals, Westminster Bridge Rd, Lambeth, London SE1 7EH ² Department of Surgery and Cancer, Imperial College London, White City Campus, 80 Wood Lane, London W12 0BZ

¹ Department of Plastic Surgery, Guys' and St' Thomas' Hospitals, London, UK ² Department of Surgery and Cancer, Imperial College London, London, UK

A-0051 Radiological analysis of silastic finger joint arthroplasties comparing Swanson and NeuFlex (C) implants; implant rotation identified as a moderately common problem.

Panagiotis Sgardelis, Grey Giddins

Royal United Hospital, Bath, United Kingdom

A-0053 Carpal kinematics after replacing the scaphoid by a patient specific prosthesis - a 4D CT analysis

Philipp Honigmann^{1,2,4}, Mathias Haefeli^{3,4}, Marieke de Roo^{4,5}, Joris Oonk⁴, Gustav Strijkers⁴, Johannes Dobbe⁴, Strackee SD⁵, Streekstra GJ^{4,6}

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A-0059 Tourniquet use in hand surgery - is it time to re-inflate the evidence?

Michael Gallagher¹, Andrew R McKean¹, Gordon McArthur²

¹ Department of Plastic Surgery, St Thomas' Hospital, London, UK ¹ Department of Plastic Surgery, Chelsea and Westminster Hospital, London, UK

A-0065 Implementation of WALANT surgery in a tertiary hand trauma center

Diogo Andrade Guimarães, Luís Vieira, Luís Ribeiro, Nuno Maria, Pedro Martins, Maria Manuel Mouzinho

Centro Hospitalar Universitário Lisboa Central, Lisboa, Portugal

A-0071 The effects of subtotal tendon suture site isolation: an experimental study in rat

Aleksandr Zenchenko¹, Yuliya Cherniakova²

¹ Gomel Regional Clinical Hospital (Gomel, Belarus) ² Gomel State Medical University (Gomel, Belarus)

A-0073 The Quadriga revisited: a cadaveric study on the anatomy and biomechanics of the Flexor Digitorum Profundus.

K. T. M. Oo¹ P. B. M. Thomas²

University Hospitals of North Midlands, Stoke on Trent, Staffordshire, ST4 6QG, United Kingdom.

A-0074 The efficacy of superficial flexor sheath infiltration injections for trigger finger.

K. T. M. Oo¹ T. Helliwell²

University of Keele, School of Medicine, Staffordshire, ST5 5BG, United Kingdom

A-0076 Ulcerating stasis dermatitis of the forearm associated with arteriovenous graft and central vein stenosis

Diogo Andrade Guimarães; Luís Ribeiro; Luís Vieira; Rui Barata; Maria Manuel Mendes; Pedro Martins; Maria Manuel Mouzinho

Centro Hospitalar Universitário Lisboa Central, Lisboa, Portugal

A-0077 Evaluation of the treatment of osteoporosis after distal radius fractures

Yuta Nakamura¹, Kaoru Tada¹, Masashi Matsuta¹, Atsuro Murai¹, Hiroyuki Tsuchiya¹, Naoki Osamura², Seigo Suganuma³

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A-0081 Safety and feasibility of the injection through the dorsal webspace in the treatment of trigger digits: anatomical study.

Isidro Jiménez^{1,2}, José Medina^{1,2}, Gerardo L Garcés^{2,3}

¹ Hospital Universitario Insular de Gran Canaria, Las Palmas de Gran Canaria, Spain. ² Universidad de Las Palmas de Gran Canaria. Las Palmas de Gran Canaria, Spain. ³ Hospital Perpetuo Socorro. Las Palmas de Gran Canaria, Spain.

A-0083 Antibiotic Prophylaxis in Clean Hand Surgery: A Prospective Analysis of Major & Minor Complications

¹ Justin Kistler, MD (jkistler75@gmail.com) ² Asif M. Ilyas, MD, MBA (aimd2001@yahoo.com)

The Rothman Institute at Thomas Jefferson University Philadelphia, PA, USA

A-0090 The Effects of Upper Extremity Elevation on Intra-Cast Pressure and Digital Perfusion in a Fiberglass Short Arm Cast Model

BRIANA FRAM, WILLIAM WANG, ASIF ILYAS

Rothman Institute at Thomas Jefferson University, Philadelphia, PA, USA

A-0096 The shape symmetry of the lunate: implications for the design of 3D printed patient-specific implants

Nazlı Tümer¹, Olivier Hiemstra², Yvonne Schreurs², Gerald A. Kraan², Amir A. Zadpoor¹, Johan van der Stok²

¹ Department of Biomechanical Engineering, Delft University of Technology (TU Delft), Delft, The Netherlands ² Department of Orthopaedic Surgery, Reinier Haga Orthopaedic Centre, Zoetermeer, The Netherlands.

A-0097 Flexor carpi radialis brevis muscle: a case report

Antonio Dudley, Raquel Maroto, Javier Otero, Claudio Peix, Julian Del Rio

Hospital Universitario de la Princesa, Madrid, Spain

A-0102 Does circumferential cast prevent fracture redisplacement of reduced distal radius fractures? A retrospective multicenter study.

A.C. Berger¹, B. Barvelink¹, M. Reijman¹, T. Gosens², G.A. Kraan³, M.R. De Vries⁴, M.J. Verhofstad⁵, K.W.W. Lansink⁶, P.F.W. Hannemann⁷, J.W. Colaris¹

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A-0108 1 & 2 Column Fusion - solution for the SLAC or SNAC Wrist; case series of 42 consecutive patients

Robert Gvozdenovic¹, Lars Solgaard¹

¹Herlev-Gentofte University Hospital of Copenhagen, Department of Orthopedics, Hand Surgery Unit

A-0109 Arthroscopic bone grafting of the scaphoid nonunion - high union rate despite the high proximal pole incidence and the humpback deformity

Robert Gvozdenovic¹, Dejan Susic¹

Herlev-Gentofte University Hospital of Copenhagen, Department of Orthopedics, Hand Surgery Unit

A-0118 Serum inflammatory markers in the diagnosis and monitoring of hand osteomyelitis: a retrospective review of 146 cases

Matthew Wyman^{1,2}, Dallan Dargan^{1,2}, Diana Kazazzi¹, Jennifer Caddick¹, Victoria Giblin^{1,2}

¹ Sheffield Teaching Hospitals NHS Foundation Trust, United Kingdom; ² Academic Medical Unit, The University of Sheffield, United Kingdom

A-0124 Diagnosis of neurogenic thoracic outlet syndrome based on the clinical status

Ji Sup Hwang, Yohan Lee, Kee Jeong Bae, Jihyeung Kim, Hyun Sik Gong, Young Ho Lee, Goo Hyun Baek

Seoul National University College of Medicine, Seoul National University Hospital, Korea

A-0127 PIP arthroplasty: Comparison of complications, reoperations and revisions after surface replacing and silicone interposition

arthroplasty

Olivia Helder¹, Miriam Marks¹, Andreas Schweizer², Daniel B. Herren³, Stephan Schindele³

¹ Department of Teaching, Research and Development, Schulthess Klinik, Zurich, Switzerland ² Department of Orthopedic Surgery, Balgrist University Hospital, Zurich, Switzerland ³ Department of Hand Surgery, Schulthess Klinik, Lengghalder 2, 8008 Zurich, Switzerland

A-0139 Multiple surgical techniques used in the reconstruction of massive tissue defects after electrocution. Case report

Mihaela Perteau^{1,2}, Dmitrii Leontii², Diana Al Khazaleh², Alina Mihaela Stan², Petru Ciobanu^{1,2}

¹ 'Grigore T Popa' University of Medicine and Pharmacy, Iasi, Romania; ² Clinic of Plastic Surgery and Reconstructive Microsurgery, 'Sf. Spiridon' Emergency County Hospital, Iasi, Romania

A-0142 Outcome after simultaneous nerve transfer of spinal accessory and intercostal nerve for preganglionic total arm type injuries in brachial plexus: a preliminary report

Young Ho Lee¹, Goo Hyun Baek¹, Jihyeung Kim¹, Ji Sup Hwang¹, Jung Eun Lee²

¹ Seoul National University Hospital, Seoul, South Korea ² Gachon Gill Hospital, Gyeonggi-do, South Korea

A-0144 Radiological study of Weilby arthroplasty collapse and clinical relationship

Miguel Angel Martínez de la Torre, Norma Trigo Bermúdez, Carlos Antón Fernández, Enric Cruz Olivé

General Hospital of Granollers, Barcelone, Spain

A-0148 Unleashing the Bradford experience in the management of upper limb dog bites: a retrospective review

Malik Fleet, Zakir Shariff, Zabihullah Abdul

Bradford Teaching Hospital NHS Foundation Trust, Bradford, UK

A-0151 Long-term results of Sauvé-Kapandji procedure

Lisa Reissner, Andreas, Schweizer, Lea Estermann, Ladislav Nagy

Department of Orthopedics, Division of Hand Surgery, Balgrist University Hospital, Zurich, Switzerland

A-0153 Adherence to Upper-Limb Digital Surgery Local Safety Standards in Plastic Surgical Patients

Frederick Wyatt

Newcastle University

A-0154 Wrist and upper limb postures when falling

Grey Giddins Hugo Giddins

Royal United Hospitals, Bath, UK

A-0157 Remote hand therapy amid the COVID-19 pandemic

Zeynep Tuna¹, Egemen Ayhan²

¹ Department of Physiotherapy and Rehabilitation, Faculty of Health Sciences, Gazi University, Ankara, Turkey ² Department of Orthopaedics and Traumatology, Diskapi YB Training and Research Hospital, University of Health Sciences, Ankara, Turkey

A-0161 Is the arthroscopic treatment of scaphoid nonunion a reliable procedure?

Christian M Windhofer^{1,2}, Josef Schauer¹, Peter Jakob¹, Patrick Ivusic¹

¹Trauma Department, AUVA Unfallklinik Salzburg, Austria ² Ludwig-Boltzmann-Institute for experimental and clinical traumatology, Vienna, Austria

A-0165 Seasonal Impact on Surgical Site Infections and Wound Healing Disturbance in Carpal Tunnel Surgery: A Retrospective Cohort Study

Wolfgang Raher^{1,2}, Matthias Holzbauer^{1,2}, Oskar Kwasny^{1,2}, Dominik Duscher¹, Stefan M Froschauer^{1,2}

¹ Kepler University Hospital Linz, Medcampus III, Austria; ² Johannes Kepler University Linz, Austria

A-0166 Diagnostic accuracy of history taking, physical examination and imaging for phalangeal, metacarpal and carpal fractures: a systematic review update.

Patrick Krastman¹, Nina M. Mathijssen³, Sita M.A. Bierma-Zeinstra^{1,2}, Gerald Kraan³, Jos Runhaar¹

¹ Erasmus MC University Medical Center Rotterdam, Rotterdam, the Netherlands, Department of General Practice. Room NA1911 PO Box 2040, 3000 CA Rotterdam, the Netherlands. ² Erasmus MC University Medical Center Rotterdam, Rotterdam, the Netherlands, Department of Orthopaedics. Department of General Practice. Room NA1920 PO Box 2040, 3000 CA Rotterdam, the Netherlands. ³ Reinier de Graaf Groep, Delft, the Netherlands, Department of Orthopaedic Surgery. Reinier de Graafweg 5-11, 2625 AD Delft, the Netherlands.

A-0170 Computer-Aided Three-dimensional Measurement of Carpal Alignment: measurement techniques and normal ranges

Robert Sippo, Theresa Höglund, Eero Waris

Helsinki University Hospital Department of Hand Surgery, Helsinki, Finland

A-0175 Radiofrequency electrosurgical thermal damage at wrist arthroscopy

Grey Giddins¹, David Shewring², Nick Downing³

¹ Royal United Hospitals, Bath, UK; ² University Hospital of Wales, Cardiff, Wales; ³ Nottingham University hospital, Nottingham, UK

A-0185 Dislocation of the ulna head: our experience and treatment's algorithm

Sandra Pfanner, Anna Rizzo, Prospero Bigazzi, Marco Biondi, Andrea Poggetti

Hand Surgery and reconstructive Microsurgery Unit - AOU Careggi Hospital, Florence Italy

A-0197 Combined surgical approach for corrective osteotomy of malunited fractures of the distal radius

Oleg M. Semenkina^{2,1}, Sergey N. Izmalkov¹, Alexander N. Bratiichuk¹

¹ Samara State Medical University, Russian Federation ² Clinical Hospital MD GROUP, Samara, Russian Federation

A-0199 The association between trauma and paediatric trigger thumb deformity; experience from a single tertiary referral hospital

Nadia Salloum, Pauline McGee, Wee Lam

Royal Hospital for Sick Children, Edinburgh, UK

A-0200 Targeted Muscle Reinnervation: A Novel Approach to the Management of a Superficial Branch of Radial Nerve Neuroma

Ye Ru Chin, Samuel George, Dominic Power

Queen Elizabeth Hospital Birmingham, UK

A-0203 3D guide design for the management of undisplaced scaphoid waist fractures. First experience in Chile.

Carlos Federico Morales Hackett¹, Carolina Chavez Gatica², Cristian Navarro Bravo², Diego Cortes Carvajal²

¹ Hospital Base San Juan de Dios, Curico, Chile; ² Plan3D, Vina del Mar, Chile

A-0209 Patients with a distal radius fracture who necessitate specialist referral and those who develop persistent pain after fracture healing

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A-0212 Treatment of Cup Loosening in Ball and Socket Prosthesis using a massive Iliac Crest graft to reconstruct the Trapezium: Technique and first results

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A-0213 How useful are inflammatory markers in hand infections?

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A-0217 Splint therapy for carpal tunnel syndrome

Ryosuke Ikeguchi, Takashi Noguchi, Maki Ando, Koichi Yoshimoto, Bungo Otsuki, Shuichi Matsuda

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A-0223 Common Peroneal Nerve (CPN) Dynamic Decompression, Anatomical Landmarks and Surgical Outcomes

Madi El Haj, Ayman Khoury, Shawar Munther, Ido Volk, Sofia Vorobeitchik, Shai Luria

Hadassah Hebrew University Medical Center Jerusalem, Israel

A-0224 High Radial Nerve Injury – Nerve Transfer vs Nerve Decompression. The Role of Intraoperative Electrical Diagnostic studies on Decision Making

Madi El-Haj, Sofia Vorobeitchik, Ido Volk, Munther Shawar, Ayman Khoury, Shai Luria

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A-0225 Obliteration of the Scalene Triangle on Sagittal MRI is Correlated with Intraoperative Compressive Findings of the Brachial Plexus and Subclavian Artery in Patients With Neurogenic Thoracic Outlet Syndrome (NTOS)

Madi El-Haj, Ori Wald, Amit Korah, Ido Volk, Sofia Vorobeitchik, Nurith Hiller, Shai Luria

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A-0229 Percutaneous ultrasound guided section of the lacertus fibrosus for median nerve entrapment at the elbow

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A-0231 Congenital Boutonniere deformity of thumb secondary to attenuation of the Extensor Pollicis Brevis tendon. A case report.

Antonio Dudley, Sergio Marcos, Claudio Peix, Raquel Maroto, Jens Cardenas

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A-0234 Arthroplasty of the proximal interphalangeal joint with the Tactys® prosthesis: clinical and radiographic results with a mean follow-up of 5 years

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A-0235 Spontaneous tendon rupture of both extensor tendons of the index finger secondary to osteophytosis of a snac (Scaphoid Non Union Advanced Collaps) wrist

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A-0237 Rare finding of traumatic anterior luxation of the thumb carpometacarpal joint

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A-0243 Total brachial plexus lesion reconstruction with contralateral c7 transfer.

Francesca Fissore, Paolo Titolo, Bruno Battiston
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A-0248 Skeletal Fixation in mutilated hand. Can intramedullary headless screw fixation be considered an alternative to K-wire fixation for definitive treatment in hand and finger replantation?

Andrea Poggetti Suardi Chiara Munz Giovanni Pfanner Sandra
Hand and Reconstructive Microsurgery Unit, AOU Careggi-CTO, Florence, Italy.

A-0253 3000 years of brachial plexus lesions history

Andrii Lysak, Serhii Strafun, Arthur Bezuhlyi
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A-0255 The steep learning curve in percutaneous A1 pulley release

Damian Sutter, Aline Treier, Esther Vögelin
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A-0256 The Association between Socioeconomic Deprivation and Congenital Differences of the Hand

Claudia Chan¹, Paul Stirling², Wee Leon Lam^{1,3}
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A-0257 Outcome predictors after surgery for non traumatic ulnar neuropathy at the elbow

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A-0260 What is The Association Between Surgeons Expertise and Complications in Lateral MIPO Technique for the Treatment of Diaphyseal Humerus Fractures?

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A-0264 Neglected and complicated mallet finger: comparison of treatment results with regenerative technologies

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A-0279 Thrombosis of persistent median artery as a cause of carpal tunnel syndrome

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A-0281 Outcome of nerve transfers in patients with cervical spinal cord injury – the Oswestry experience over the past 4 years

Soha Sajid, Alison Mannion, Simon Pickard
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A-0282 Microsurgical Anastomosis Rating Scale (MARS10): A novel scoring system for microsurgical training

Filip Dąbrowski, Piotr Stogowski, Filip Flicirski, Jan Białek, Maciej Piotrowski, Tomasz Mazurek
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A-0285 ANATOMICAL VARIATIONS OF EXTENSOR POLLICIS BREVIS TENDONS IN D'QUERVAIN'S DISEASE. CASE REPORT AND REVIEW OF LITERATURE

Antonio Dudley, Claudio Peix, Sergio Marcos, Javier Otero, Jens Cardenas
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A-0296 The effect of reformatting axis of computed tomography scans on the measurement of deformities in scaphoid waist nonunion

Gwan Bum Lee, Jae Kwang Kim, and Young Ho Shin
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A-0302 The effectiveness and safety of bioabsorbable magnesium screw and K-wire within surgical treatment for Upper extremity fracture

Chul-Hyung Lee, Jun-Han Kwon
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A-0303 Introduce robotic technology in neurological hand rehabilitation (a review article)

Nadia Salajeghe, Maryam Farzad
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A-0304 Denervation of the proximal interphalangeal joint, results from 54 cases in 42 patients.

Lisa Servasier, Jacky Laulan, Guillaume Bacle

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A-0316 Improving Hand Therapy: Application of a hand therapy robot to intensify therapy

Pascal Lindemann, Désirée Leppla, Beate Jung

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A-0325 Development and evaluation of a new smartphone application for the (primary) management of hand emergencies: practical, safe and effective?

Nicolas Bigorre, Adrien Linder, Jérôme Brunet, Jérôme Jeudy, Fabrice Rabarin, Bruno Cesari, Yann Saint-Cast, Guy Raimbeau, Alexandre Petit

Centre de la Main, Angers, France

A-0328 Is Smith's fracture of distal radius a fracture of necessity?

Jin Young Kim, Ho Jun Kim

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A-0330 Syndactylies - A review of associated malformations

1 - Miguel Matias; Pedro Pires, Catarina Ladeira, Regina Duarte; 2 - Miguel Matias, Juliana Sousa, Maria Manuel Mouzinho

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A-0337 Efficacy of superficial transposition of ulnar nerve using flexor fascial sling

Jin Young Kim

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A-0339 In-hospital production of 3D-printed devices for hand- and wrist-rehabilitation

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A-0346 Capitellum reconstruction with osteochondral flap from the distal femur. A clinical case

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A-0348 Minimally invasive volar plate osteosynthesis (MIPO) with pronator quadratus sparing versus conventional volar approach with pronator quadratus repair for distal radius fractures

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A-0353 Scaphoid fracture with SL ligament involvement: instability or laxity? Role of arthroscopy and pinning

Norman Della Rosa, Vito Duca, Daniele Tosi, Julien Teodori, Roberto Adani

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A-0359 Zone II Flexor Tendon Repair by Modified FDS repair Technique followed by Place and active holding: a case series

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A-0364 Complications and patient reported outcomes following trapeziectomy with a Weilby sling: a prospective cohort study

L Hoogendam (1,2,3), MJW van der Oest (1,2,3), GM Vermeulen ³, R Feitz (3,4), SER Hovius (3,4), JM Zuidam ¹, HP Slijper ³, RW Selles (1,2), the Hand Wrist study group, RM Wouters (1,2,5)

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A-0372 Psychometric Properties and Cross-Cultural Adaptation of the Patient-Rated Tennis Elbow Evaluation (PRTEE); A Systematic Review and Meta-analysis

Erfan Shafiee ¹; Joy C MacDermid ¹; David Walton ¹; Joshua Vincent ²; Ruby Grewal ²

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A-0374 A Systematic Review of Self-Reported Outcome Measures Assessing Disability Following Hand and Upper Extremity Conditions in Persian Population

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A-0377 Novel scoring techniques for the Patient Evaluation Measure PROM may deliver rare interval-level measurement in hand trauma

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A-0386 Could an unresolved personal injury claim affect outcomes of hand therapy and hand surgery?

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A-0393 Long-term impact of trapeziectomy on the wrist joint: blinded assessment of radiological osteoarthritis in operated and non-operated wrists

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A-0395 Indirect Utility Assessment for Hand Conditions: Mapping the Patient Evaluation Measure onto the EQ-5D

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A-0396 TREATMENT OF FRACTURE DISLOCATION OF THE PROXIMAL INTERPHALANGEAL JOINT OF THE HAND WITH DYNAMIC EXTERNAL FIXATOR

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A-0408 Wrist arthrodesis to improve hand position and function in patients with upper limb spasticity – a point of technique

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A-0410 Is there a difference in the outcome of CMC I resection and treatment with prosthesis after 12 months?

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A-0411 Management of upper extremity injuries during COVID-19

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A-0423 Combined Effect of Surgical Angiogenesis and Stem Cell Seeding of Acellular Nerve Allografts on Return of Motor Function in a Rat Sciatic Nerve Defect Model

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A-0433 Trapeziectomy for trapeziometacarpal osteoarthritis: systematic review of outcomes and complications at minimum 5-year follow-up

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A-0438 Reconstruction of segmental large forearm defects with Free Vascularized fibular graft. Clinical results.

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A-0444 Outcome of multi-fragmentary head and neck fractures of index and middle finger metacarpals

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A-0449 Complications in flexor tendon injuries in zones I to III: a retrospective case series analysis

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A-0451 Hamatometacarpal fracture-dislocation: does delayed treatment yield poor results? A retrospective study

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A-0457 Rapid Implementation of Virtual Consultations During the COVID-19 Pandemic: An International Survey of Hand Surgeons and Therapists and Implications for Future Practice

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A-0461 Our initial experience of NovoSorb Biodegradable Temporising Matrix for reconstruction of complex soft tissue defects in the hand

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A-0462 Restoration of shoulder flexion/elevation with free functional gracilis transfer for partial paralysis of deltoid muscle after proximal humerus fracture fixation: a case series of eight patients.

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A-0468 The treatment results of distal radius fractures treated with an implant of own idea, DRONes hybrid nail plate - preliminary report

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A-0471 The Effect of Nerve Surgery on Opioid and Medication Use in Patients with Chronic Pain due to Nerve Injuries

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A-0472 Outcome of distal interphalangeal joint arthrodesis

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A-0473 Optimization of hand trauma care at a Major Trauma Centre (MTC) in the UK during the COVID-19 pandemic and implications for future clinical practice

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A-0475 Improving patient outcomes by minimally invasive surgical techniques

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A-0476 Geissler classification: poor interobserver variability and not the most important tool to recommend surgery

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A-0478 Lost fingers: The declining number of replantations in Germany

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A-0484 Management of post-axial Type B polydactyly during COVID-19

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A-0485 Percutaneous Arthrolysis as a therapeutic alternative to proximal interphalangeal stiffness in fingers

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A-0492 A Bayesian approach for diagnostic accuracy of malignant peripheral nerve sheath tumors: a systematic review and meta-analysis

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A-0493 Infrared thermography's applications in Hand Surgery

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A-0498 Ray reconstruction using autologous bone graft and silicone implant after traumatic massive bone loss of P1 or P2.

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A-0514 Adapting to the Covid-19 Pandemic in a Major UK Hand Unit - Redesigning a Trauma Service and Extending WALANT Surgery

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A-0521 Nerve transfers in upper motor neuron syndrome: topographic anatomy.

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A-0534 Factors affecting the final outcomes after reconstruction of the median and ulnar nerve at the level of the forearm: Analysis of 41 patients.

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A-0536 Outcomes of Thoracic Outlet Decompressions – a 10-year Review in A Single Centre

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A-0537 Dorsal plating and autologous bone graft for volar unstable fracture-dislocation of the PIP joint

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A-0545 The significance of the bacterial agent in pyogenic flexor tenosynovitis – a retrospective case study of 102 patients

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A-0546 The biomechanical strength of the side-to-side lengthening tenodesis in spasticity surgery

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A-0562 Which tendon plasty has the best outcome? A comparison of four tendon plasty techniques in a large cohort of patients with symptomatic trapeziometacarpal osteoarthritis.

Lisa Hoogendam^{1,2,3}, Thijs Bink¹, Jurriaan de Lange¹, Ruud W. Selles^{1,2}, Joost W. Colaris⁴, J. Michiel Zuidam¹, Steven E.R. Hovius^{3,5}, Hand-Wrist Study Group, Brigitte van der Heijden^{5,6}
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A-0564 Comparison Of Outcomes Between Absorbable Versus Non-Absorbable Sutures For Skin Closure In Patients Undergoing Trigger Finger Release

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A-0565 Forearm rotation improves after a corrective osteotomy in patients with a symptomatic distal radius malunion

E.M. van Es¹, M. Dijkhof¹, J.S. Souer², F.J. van Ewijk³, L. Hoogendam⁴, H.P. Slijper², R.W. Selles^{4,5}, Hand-Wrist Study Group, J.W. Colaris¹
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A-0573 Description and evaluation of the reproducibility of two new monitoring indexes for ball & socket type trapezio-metacarpal prostheses

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A-0575 Random dorso-radial flap for the first web space of the hand

Margit Singer, Mónica Francés Monasterio, José Miguel Casarrubios Barrera, Javier Fernández-Palacios
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A-0579 Proximal pole nonunion of the scaphoid treated by solely Extracorporeal Shockwave therapy (ESWT)

Christoph Pezzei¹, Stefan Quadlbauer^{1,2,3}, Thomas Beer¹, Rudolf Rosenauer^{1,2,3}, Josef Jurkowsch¹, T. Hausner^{1,2,3}, M. Leixnering¹
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A-0584 PREVENTING SMAC WRIST: CORRECTIVE OSTEOTOMY OF THE SCAPHOID

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A-0592 Time to improvement after corticosteroid injection for trigger finger.

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A-0593 The influence of shoulder arthrodesis on the function of the upper limb in adult patients after a brachial plexus injury – a systematic review of the literature.

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A-0595 The treatment of Dupuytren's disease in a specialized department

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A-0597 Index PIP arthroplasty associated to thumb delta phalanx osteotomy to restore pulp to pulp pinch in Apert's hands

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A-0600 Management of acrometastasis in hand, our experience in 9 cases

Valverde D, Sala A, Pardo A, Dominguez E

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A-0602 Reconstruction of forearm large skeletal defects by free vascularized fibular graft

Panagiotis Konstantinou, Charalampos Pitsilos, Triantafyllos Katsimentzas, Charalampos Pavlopoulos, Pericles Papadopoulos, Konstantinos Ditsios

2nd orthopaedic department A.U.TH, "G.GENNIMATAS" general hospital of Thessaloniki, Thessaloniki, Greece.

A-0603 Results of surgical treatment in 15 cases of simultaneous olecranon and radial head fractures.

Konstantinos Chitas, Vasilis Balamotis, Triantafyllos Katsimentzas, Panagiotis Konstantinou, Pericles Papadopoulos, Konstantinos Ditsios

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A-0610 Factors associate with disability and pain intensity in patients with CRPS

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A-0614 Early result of the MOTEC® implant in post-traumatic osteoarthritis of the wrist

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A-0615 Immunofluorescence analysis of sensory nerve endings in the ligaments and capsule of the human elbow joint

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A-0617 Versatility of free vascularized bone grafts in hand reconstruction

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A-0624 Epidemiology of upper extremity nerve injuries in Finland between 1998 to 2016.

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University Hospital and University of Oulu, Oulu, Finland; ⁵ Finnish Institute of Occupational Health, Oulu, Finland

A-0626 Morphological risk factors for scaphoid fracture after fall onto outstretched hand

Abigael Cohen¹, Thomas Claessen², Corne van den Berg¹, Michiel Siebelt³, Gerald A Kraan⁴, Johannes H Waarsing¹, Max Reijman¹, Joost W Colaris¹

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A-0629 The impact of COVID pandemic on rates of deliberate self-harm in a tertiary hand unit.

P Tan, CT Brewster, R Jose
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A-0630 WRIST TRAUMA SEQUELAE: A DISCURSIVE LITERATURE REVIEW

Simona Odella, Francesco Locatelli, Alessandra Fin, Jacopo Flore, Elia Creta, Alessandro Crosio, Pierluigi Tos
Asst Pini CTO Milano, Italy, Complex Operative Unit Hand Surgery and Reconstructive Microsurgery

A-0632 How arthroscopy has modified distal radius fractures treatment in our practice

Simon Odella, Alessandro Crosio, Jacopo Flore, Ugo Dacatra, Pierluigi Tos
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A-0634 BIOMECHANICAL ANALYSIS OF JESS CONSTRUCTS ON METACARPAL BONE FRACTURES AND CLINICAL RESULTS

Simona Odella, Alessandro Crosio, Elia Creta, Federica Olivero, Matilde Cacianti, Pierluigi Tos
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A-0639 Ball-and-Socket replacement for thumb carpometacarpal osteoarthritis: A comparison between the single and dual mobility design

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A-0640 Symptom Duration Affects Central Sensitization and Kinesiophobia in Patients with Thoracic Outlet Syndrome

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A-0642 Effects of Trunk Compensatory Movements on Modified Mallet Score in Children with Obstetric Brachial Plexus Palsy

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A-0643 The reconstruction of the thumb nailed in malignant skin tumors, using a dorsular flap.

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A-0645 Surgical treatment of neuroma in the upper extremity – patient characteristics, outcome of surgery and association with sleep ability, and limitations to perform work and daily activities

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A-0646 Management of Distal Radius Osteomyelitis with Vascularized Free Fibula

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A-0648 Surgery of Schwannoma in the upper extremity - consistency between preoperative magnetic resonance imaging (MRI) and pathoanatomical diagnosis (PAD)

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A-0650 Scaphoid non-union humpback deformity correction using 3D planning and patient-specific guides: a prospective case series of 10 patients

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A-0653 Clinical Outcomes of Lunocapitate Arthrodesis: A Retrospective Study

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A-0655 Ulnar Sided Wrist Pain: A Diagnostic Evaluation Guide from 30+ Years of Experience

Justin Mirza, Ather Mirza, Luke Zappia
Mirza Orthopedics, Smithtown, NY, USA

A-0662 Thumb height measurement for (implant) arthroplasties for CMC thumb joint osteoarthritis

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Bosch, the Netherlands Plastic Surgery Department, Radboud Medical Center, Nijmegen, the Netherlands

A-0664 Arthroscopic repair of the ulnar collateral ligament of the thumb: our experience

Martin Caloia, Sergio Ronconi, Hugo Caloia, Diego González Scotti, German Barrozo, Gerónimo Chamorro, Alejandro Meritano, Gonzalo Guevara
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A-0669 Thumb restoring using a monolithic metacarpal anchored titanium 3D printed prosthesis

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A-0672 Closed hand fractures management: tertiary trauma centre experience

Amir Ghareib Sylwia Oniska, Peter Macnael Jamil Moledina

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A-0693 The impact of COVID-19 pandemic in the nature of hand trauma

Rita Meireles¹, Gil Ribeiro², Ricardo Varela³, Alexandre Marques², Susana Pinheiro¹

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A-0695 REVERSE HOMODIGITAL FLAPS FOR THUMB AND FINGERS SOFT TISSUE DEFECTS RECONSTRUCTION

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A-0652 Ligament, nerve and DCSS sparing dorsal capsulotomy of the wrist

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