

Pathology

Wednesday, April 26, 2017 | 08:00 - 09:00 | Plenary room

A-0296 Basic knowledge in pathology of bone sarcomas

Ramses Forsyth

A-0297 Basic knowledge in pathology of soft tissue sarcomas

Sápi Zoltán

Poster Exhibition

Wednesday, April 26, 2017 | 08:00 - 20:00 | Break-out room

A-0002 Balloon kyphoplasty for lumbar spine tumor

Hiroto Kamoda¹, Tsukasa Yonemoto¹, Shintaro Iwata¹, Toshinori Tsukanishi¹, Seiji Ohtori², Takeshi Ishii¹
¹Chiba Cancer Center, Chiba, Japan; ²Chiba University, Chiba, Japan

A-0007 Mitochondria-caspase dependent apoptotic induction in chondrosarcoma cells induced by the proteasome inhibitor bortezomib

Birgit Lohberger¹, Nicole Stuedl¹, Heike Kaltenecker¹, Beate Rinner², Andreas Leithner¹
¹Department of orthopedic surgery, Medical University Graz, Graz, Austria; ²Biomedical Research, Medical University of Graz, Graz, Austria

A-0008 A novel cellular model for the intratumoural heterogeneity in myxofibrosarcoma

Birgit Lohberger¹, Nicole Stuedl¹, Andreas Leithner¹, Beate Rinner², Stefan Sauer³, Karl Kashofer³, Bernadette Liegl-Atzwanger³
¹Department of Orthopaedic Surgery, Medical University of Graz, Graz, Austria; ²Biomedical Research, Medical University of Graz, Graz, Austria; ³Institute of Pathology, Medical University of Graz, Graz, Austria

A-0009 An unusual presentation of Trevers' disease at the ankle joint

Esat Uygur¹, Murat Demiroğlu¹, Fuat Akpınar¹, Bülent Kılıç², Korhan Özkan¹
¹Istanbul Medeniyet University Goztepe Training and Research Hospital, Istanbul, Turkey; ²Gelişim University, Istanbul, Turkey

A-0011 Results of desmoplastic fibroma complex treatment

Volodymyr Protsenko¹, Volodymyr Chorneyi²
¹Institute of Traumatology and Orthopedics of NAMS of Ukraine, Kiev, Ukraine; ²Bogomolets National Medical University, Kiev, Ukraine

A-0018 Clinical features in primary chest wall tumor.

Taketoshi Yasuda¹, Kayo Suzuki¹, Kenta Watanabe¹, Masahiko Kanamori², Tomoatsu Kimura¹
¹Department of Orthopaedic Surgery, University of Toyama, Toyama, Japan; ²Department of Human Science 1, University of Toyama, Toyama, Japan

A-0045 Case Report: Necessity of Clinical and Histological Evidence for the Correct Diagnosis of a Phosphaturic Mesenchymal Tumor.

Lukas Leitner¹, Marko Bergovec¹, Jörg Friesenbichler¹, Paul Ruckstuhl¹, Bernadette Liegl-Atzwanger², Roman Radl¹, Andreas Leithner¹
¹Department of Orthopedic Surgery, Medical University of Graz, Austria; ²Institute of Pathology, Comprehensive Cancer Center Graz, Medical University of Graz, Austria

A-0046 Studying Resistance Mechanisms against EGFR Inhibitors in Chordoma Cell Lines

Susanne Scheipl^{1,2}, Michelle Barnard^{3,1,4}, Lucia Cottone¹, Mette Jorgensen¹, David H. Drewry^{5,6}, William J. Zuercher^{5,6}, Fabrice Turlais³, Hongtao Ye⁷, Ana P. Leite¹, James A Smith³, Andreas Leithner², Peter Möller⁸, Silke Brüderlein⁸, Fernanda Amary⁷, Roberto Tirabosco⁷, Sandra J. Strauss¹, Naomi Guppy⁹, Nischalan Pillay^{1,7}, and Adrienne M. Flanagan^{1,7,9}
¹University College London Cancer Institute, 72 Huntley Street, London, WC1E 6BT, UK; ²Department of Orthopaedics and Orthopaedic Surgery, Medical University of Graz, Auenbruggerplatz 5, 8036 Graz, Austria; ³Cancer Research Technology Discovery Laboratories, Jonas Web Building, Babraham Campus, Cambridge CB22 3AT, UK; ⁴CRUK-MedImmune Alliance Laboratory, Portway Building, Granta Park, Cambridge, CB21 6GS, UK; ⁵GlaxoSmithKline, Department of Chemical Biology, 5 Moore Drive, PO Box 13398, Research Triangle Park, NC 27709-3398, USA; ⁶SGC-UNC, Division of Chemical Biology and Medicinal Chemistry, UNC Eshelman School of Pharmacy, University of North Carolina at Chapel Hill, Chapel Hill, NC 27599, USA; ⁷Department of Histopathology, Royal National Orthopaedic Hospital, Stanmore, Middlesex, HA7 4LP, UK; ⁸Institute of Pathology, Ulm University, Albert-Einstein-Allee 23, D-89070 Ulm, Germany; ⁹University College London Advanced Diagnostics, University Street 21, London WC1E 6JJ, UK.

A-0047 Distinct activity of the bone-targeted gallium compound KP46 against osteosarcoma cells - synergism with autophagy inhibition

Bernd Kubista, 1 Thomas Schoefl, 2 Lisa Mayr, 2 Sushilla van Schoonhoven, 2 Reinhard Windhager, 1 Bernhard K. Keppler, 3 Walter Berger^{2,*}
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Department of orthopedics, Medical University of Vienna, Waehringerguertel 18-20, A-1090 Vienna, Austria

A-0048 Comorbidity affects disease-specific mortality in sarcoma patients – A Danish nationwide population-based study

Mathias Raedkjaer (1,2,3), Katja Maretty-Kongstad³, Peter Holmberg Jorgensen¹, Akmal Safwat⁴, Peter Vedsted⁵, Michael Mork Petersen², Thea Hovgaard², Tine Nymark⁶, Johnny Keller¹.
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A-0050 Result of denosumab application in preoperative regimen in treatment of giant cell tumor

Anatolii Diedkov, Bogdan Maksymenko, Sergiy Bojchuk, Maria Kukushkina, Victor Kostyuk, Sergiy Diedkov
National Cancer Institute, Kyiv, Ukraine

A-0052 Patients' satisfaction and function after hand tumor surgery

Tobias Büchner, Marko Bergovec, Andreas Leithner
Department of Orthopaedic Surgery, Medical University of Graz, Graz, Austria

A-0054 Relationship between the development of distant metastasis after surgical treatment and the prognosis in patients with soft tissue sarcomas

Kayo Suzuki¹, Taketoshi Yasuda¹, Kenta Watanabe¹, Masahiko Kanamori², Tomoatsu Kimura¹
¹Department of Orthopaedic Surgery, University of Toyama, Toyama, Japan ²Department of Human Science¹, University of Toyama, Toyama, Japan

A-0057 Recurrent Giant Cell Tumour of the femur treated with percutaneous image-guided radiofrequency ablation.

Kyriakos Papavasiliou¹, Antonia Bintoudi², Theodoros Michail¹, Stergios Adam¹, Spyridon Koliatzakis¹, Ioannis Tsitouridis², John Kirkos¹.
¹3rd Orthopaedic Dept., Aristotle University of Thessaloniki Medical School, Papageorgiou General Hospital, Thessaloniki, Greece. ²Department of Radiology, Papageorgiou General Hospital, Thessaloniki, Greece.

A-0058 Unifocal eosinophilic granuloma of the femur successfully treated with percutaneous image-guided radiofrequency ablation

Kyriakos Papavasiliou¹, Antonia Bintoudi², Theodoros Michail¹, Stergios Adam¹, Spyridon Koliatzakis¹, Ioannis Tsitouridis², John Kirkos¹.
¹3rd Orthopaedic Dept., Aristotle University of Thessaloniki Medical School, Papageorgiou General Hospital, Thessaloniki, Greece. ²Department of Radiology, Papageorgiou General Hospital, Thessaloniki, Greece.

A-0059 Palliative treatment of a metastatic lesion of the proximal tibia extending to the popliteal cavity with the use of a PTFE felt and PMMA cement

Kyriakos Papavasiliou, Theodoros Michail, Stergios Adam, Spyridon Koliatzakis, Dimosthenis Tsitouras, Marinos Karanassos, John Kirkos.
3rd Orthopaedic Dept., Aristotle University of Thessaloniki Medical School, Papageorgiou General Hospital, Thessaloniki, Greece.

A-0060 Resurfacing after failure of osteoarticular tibia allografts in adults. Problems/Complications

G. Ulrich Exner¹, Pascal A. Schai², Tobias C. Bühler³
¹orthopaedie Zentrum zuerich, Zurich, Switzerland;²KSL Wolhusen, Wolhusen, Switzerland;³KS Baden, Baden and Aarau, Switzerland

A-0062 Is monitoring of bone mineral status of paediatric bone sarcoma patients who receive chemotherapy implemented in clinical routine yet - A survey among 4 European oncological societies

Ulrike Michaela Pirker-Frühau¹, Magdalena Maria Gilg¹, Petra Sovinz², Barbara Obermayer-Pietsch³, Andreas Leithner¹
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A-0066 Hemi-arthroplasty proximal femoral endoprostheses following oncological resection: Are acetabular resurfacings necessary in the medium to long-term?

Adriana Hernandez-Lopez¹, Chindanai Hongsaprabhas¹, Johnathan Lex², Scott Evans¹, Michael Parry¹, Paul Cool³, Lee M Jeys¹, Jonathan D Stevenson¹
¹Royal Orthopaedic Hospital NHS Foundation Trust. Birmingham, UK ²University of Birmingham, UK ³Robert Jones & Agnes Hunt Orthopaedic Hospital, Oswestry, Shropshire, UK

A-0070 Use of polyethylene total endoprosthesis for detecting local recurrences

Israel Rubio-Saez, Rafael Carbonell-Escobar, Eduardo Jose Ortiz-Cruz, Manuel Peleteiro-Pensado
La Paz Hospital, Madrid, Spain

A-0072 Soft tissue sarcoma of the extremities in childhood: the Rizzoli experience.

Ilaria Cucurnia, Giuseppe Bianchi, Andrea Sambri, Davide Donati
Istituto Ortopedico Rizzoli, Bologna, Italy

A-0077 Bone void filler Calcibon: Clinical experiences and results following curettage of benign and low-grade malignant bone tumours.

Joerg Friesenbichler¹, Werner Maurer-Ertl¹, Marko Bergovec¹, Lukas Holzer¹, Gerhard Bratschitsch¹, Kathrin Ogris^{1,2}, Andreas Leithner¹.
¹Department of Orthopaedic Surgery and ²Institute for Forensic Medicine, Medical University of Graz, Austria.

A-0079 Hemiarthroplasty of the knee for limb salvage surgery in very young children

Joerg Friesenbichler, Werner Maurer-Ertl, Marko Bergovec, Susanne Scheipl, Lukas Holzer, Andreas Leithner
Department of Orthopaedic Surgery, Medical University of Graz, Austria

A-0081 Giant well-differentiated liposarcoma of the lower extremity (17 Kg) adjacent to the neurovascular bundle.

Antonio Urda, Camilla Arvinus, Roberto García-Maroto, Juan Luis Cebrián-Parra
Hospital Clínico San Carlos, Madrid, Spain

A-0082 Neurophysiological monitoring during large femoral and pelvic tumoral resections.

Antonio L Urda, Roberto García Maroto, Susana Martín, María Puerto, Javier García Coiradas, Juan Luis Cebrián Parra
Hospital Clínico San Carlos, Madrid, Spain

A-0083 Complicated aneurysmal bone cyst in the acetabular region

Pablo Checa, Antonio Urda, Roberto García-Maroto, Juan Luis Cebrián.
Hospital Clínico San Carlos, Madrid, Spain

A-0086 Radiation therapy as an effective treatment modality after resection in intracranial hemangiopericytoma: clinical outcomes and prognostic factors

Seung Hyuck Jeon, Il Han Kim, Chul-Kee Park, Sung-Hye Park
Seoul National University College of Medicine & Hospital, Seoul, South Korea

A-0087 A rare case of brain metastasis from a primary myxofibrosarcoma

Masahiko Kanamori, Taketoshi Yasuda, Kayo Suzuki, Tomoatsu Kimura
University of Toyama, Toyama, Japan

A-0088 Comparative genomic hybridization analysis for the giant cell tumor of bone

Masahiko Kanamori, Taketoshi Yasuda, Kayo Suzuki, Tomoatsu Kimura
University of Toyama, Toyama, Japan

A-0095 Assessing the Effectiveness of a Fibrin Sealant (Evicel®) in Order to Achieve Haemostasis in Sarcoma Surgery.

Ardakani AG, Briggs S, Perera JR, Aston W, Pollock RC, Jagiello J, Skinner J, Gikas PD, Briggs T,
Royal National Orthopaedic Hospital, Stanmore, London

A-0096 The use of Raman Spectroscopy to Identify Changes in Primary Bone Tumours.

Ardakani AG¹, Churchwell J², Davidson J¹, Briggs T¹, Gikas PD², Birch H², Goodship A².
¹. Royal National Orthopaedic Hospital, Stanmore, London ². University College London

A-0118 Very long-term followup after Rotationplasty; Surgical and oncological outcome, Sportsactivity and QOL

Gerhard M.Hobusch, Florian Cibulka, Tryphon Kelaridis, Joachim Gubba, Martin Salzer, R.Windhager
Medical University Vienna, Department of orthopaedic surgery

A-0119 Sports activity levels after transfemoral and transtibial amputation and knee disarticulation due to primary bone malignancies - a minimum followup of 20 years.

Gerhard M. Hobusch, Christoph Hofer, Philipp T. Funovics, Georg Fraberger, Reinhard Windhager
Medical University of Vienna, Department of orthopaedic surgery

A-0125 RECONSTRUCTION OF MALIGNANT BONE TUMORS IN HUMERUS WITH A TOTAL HUMERAL ENDOPROSTHESIS

Rafael Carbonell-Escobar¹, Manuel Peleteiro-Pensado², Joaquin Nuñez-De Armas³, Fernando Escamez⁴, Irene Barrientos-Ruiz⁵, Eduardo Ortiz-Cruz⁶
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A-0126 Lung metastases of giant-cell fibular tumor: a case report

Monika Jagodic¹
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A-0128 Malignisation of aggressive fibromatosis in the pelvis

Zdenek Matejovsky¹, Martin Masek², Zdenek Kinkor³
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A-0131 Free Functioning Gracilis Transfer for Restoration of Function Following Excision of Flexor Forearm Compartment Malignant Peripheral Nerve Sheath Tumor

Uche Osadebe, Omkar Baxi, Irfan Ahmed, Joseph Benevenia
Department of Orthopaedics, Rutgers New Jersey Medical School

A-0132 Atypical Presentation of The Fibrous Dysplasia

Huseyin Botanlioglu¹, Gokhan Kaynak¹, Burkay Camurdan¹, Mehmet Fatih Guven¹, Suat Ulutas¹, Kerem Ozcan², Nil Comunoglu², Muharrem Babacan¹,
¹Istanbul University Cerrahpasa Faculty of Medicine, Department of Orthopaedics and Traumatology, Istanbul, Turkey; ²Istanbul University Cerrahpasa Faculty of Medicine, Department of Pathology, Istanbul, Turkey;

A-0135 A rare type of a multicentric osteosarcoma with different regression grades on neoadjuvant chemotherapy: case report.

Paul Ruckenstein¹, Marko Bergovec¹, Lukas Leitner¹, Herwig Lackner², Bernadette Liegl-Atzwanger³, Andreas Leithner¹
¹Department of Orthopedic Surgery, Medical University of Graz, Austria; ²Division of Pediatric Hematology-Oncology, Department of Pediatrics and Adolescent Medicine, Medical University Graz, Austria; ³Institute of Pathology, Comprehensive Cancer Center Graz, Medical University Graz, Austria

A-0137 Identification of a possible therapeutic candidate for advanced chondrosarcoma with an IDH1 mutant inhibitor.

Fumihiko Nakatani¹, Makoto Nakagawa^{2,3}, Eisuke Kobayashi¹, Makoto Endo¹, Yoshikazu Tanzawa¹, Akira Kawai¹, Hirokazu Chuman¹, Akihiko Yoshida⁴, Takehiko Seki⁵, Kazushi Araki⁵, Yasuharu Nakashima³, Issay Kitabayashi²
¹Division of Musculoskeletal Oncology, National Cancer Center Hospital, Tokyo, Japan ²Division of Hematological Malignancy, National Cancer Center Research Institute, Tokyo, Japan ³Department of Orthopaedic Surgery, Kyushu University, Fukuoka, Japan ⁴Division of Pathology and Clinical Laboratories, National Cancer Center Hospital, Tokyo Japan ⁵R&D Division, Daiichi-Sankyo, Tokyo, Japan

A-0141 Extracellular Vesicles are involved in Cellular Communication of Chordoma Cell Lines

Ines Anders (1), Marie-Therese Frisch¹, Katharina Meditz¹, Bernadette Liegl-Atzwanger², Birgit Lohberger³, Andreas Leithner³, Beate Rinner¹

¹Division of Biomedical Research, Medical University Graz, Austria ²Institute of Pathology, Medical University Graz, Austria ³Department of Orthopedic Surgery, Medical University Graz, Austria

A-0146 Case Report: Metastasis of an alveolar soft part sarcoma, a diagnostic challenge...

Sandra Sunitsch¹, Magdalena Gilg², Birgit Pernthaler³, Susanne Scheipl², Andreas Leithner², Bernadette Liegl-Atzwanger¹;

¹Institute of Pathology, Medical University of Graz, Austria ²Department of Orthopedic Surgery, Medical University of Graz, Austria ³Department of Radiology, Division of Nuclear Medicine, Medical University of Graz, Austria

A-0148 The Concurrent Use Of Ect In Multiple Metastatic Bone Lesions: A Case Report

Ugo Albertini¹, Michele Boffano¹, Pietro Pellegrino¹, Nicola Ratto¹, Elena Boux¹, Stefano Marone¹, Riccardo Ferracini¹, Raimondo Piana¹

¹Orthopaedic Oncology Division, CTO Hospital, A.O.U. City of Health and Science of Turin, Italy

A-0151 A Multidisciplinary Approach For A Metastatic Bone Disease: A Case Report

Michele Boffano¹, Gianluca Collo¹, Nicola Ratto¹, Pietro Pellegrino¹, Stefano Marone¹, Elena Boux¹, Ugo Albertini¹, Carlo A. Benech², Raimondo Piana¹

¹Orthopaedic Oncology Division, CTO Hospital, A.O.U. City of Health and Science of Turin, Italy ²Neurosurgery Division, CTO Hospital, A.O.U. City of Health and Science of Turin, Italy

A-0152 Experience with massive allograft combined with total knee replacement in patients with GCT of the distal femur.

Ilkin Mikailov

Russian Research Institute of Traumatology and Orthopedics named after R.R.Vreden, Saint Petersburg, Russia

A-0153 Modular prosthesis as treatment for giant cell tumor

Ene Razvan^{1,2}, Popa Mihnea^{1,2}, Nica Mihai¹, Panti Zsombor¹, Pleniceanu Marian¹, Cirstoiu Catalin^{1,2}

¹. Emergency University Hospital, Bucharest,, Romania, Orthopedics and Trauma Departament ². University of Medicine and Pharmacy ,, Carol Davila", Bucharest, Romania

A-0154 The Results Of Minimally Invasive Surgical Treatment Of Patients with risk of pathological fracture against the background of the metastatic lesions of the proximal femur

Ilkin Mikailov, Petr Grigorev

Russian Research Institute of Traumatology and Orthopedics named after R.R.Vreden, Saint Petersburg, Russia

A-0155 Chondrosarcoma of the pelvis - Case report

Razvan Ene^{1,2}, Mihai Nica¹, Mihnea Popa^{1,2}, Zsombor Panti¹, Marian Pleniceanu¹, Catalin Cirstoiu^{1,2}

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A-0165 Do we need bone scans for cartilage tumours?

Carola Brückmann¹, Magdalena Gilg¹, Lukas Holzer¹, Franz Quehenberger², Thomas Schwarz³, Andreas Leithner¹

¹ Department of Orthopaedic Surgery, Medical University of Graz, Austria ² Institute for Medical Informatics, Statistics and Documentation, Medical University of Graz, Austria ³ Department of Radiology, Division of Nuclear Medicine Radiology, Medical University of Graz, Austria

A-0169 Necessity of next generation sequencing in diagnosing soft tissue tumors: two cases of desmoplastic small blue round cell tumor

Kinga Szurian, Christian Viertler, Bernadette Liegl-Atzwanger

Klinisches Institut für Pathologie, Medizinische Universität Graz

A-0174 Using new technologies in the excision and reconstruction of bone tumors.

Roberto García-Maroto, Antonio Urda, José Valle, Juan Luis Cebrián-Parra

Hospital Universitario Clínico San Carlos

A-0175 Primary pleomorphic sarcoma (PS) and leiomyosarcoma (LMS) of bone: retrospective analysis of an original series

Serena Bazzurri¹, Alessandro Franchi², Guido Scoccianti³, Domenico A. Campanacci³, Daniela Greto⁴, Lorenzo Livi⁴, Giuliana Roselli⁵, Giacomo G. Baldi¹

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A-0182 A rare type of a multicentric osteosarcoma with various regression grades on neoadjuvant chemotherapy: case report

Paul Ruckenstuhl¹, Marko Bergovec¹, Lukas Leitner¹, Herwig Lackner², Bernadette Liegl-Atzwanger³, Andreas Leithner¹

¹Department of Orthopedic Surgery, Medical University of Graz, Austria ²Division of Pediatric Hematology-Oncology, Department of Pediatrics and Adolescent Medicine, Medical University Graz, Austria ³Institute of Pathology, Comprehensive Cancer Center Graz, Medical University Graz, Austria

A-0183 Osteochondroma of the scapula associated with a subclavian artery pseudoaneurysm: case report

Ana Oljaca¹, Daniela Hirzberger¹, Marko Bergovec¹, Kurt Tiesenhausen², Stephan Koter², Joerg Friesenbichler¹, Susanne Scheipl¹, Andreas Leithner¹

¹Department of Orthopaedic Surgery, Medical University Graz, Auenbruggerplatz 5, 8036 Graz ²Department of Surgery, Division for Vascular Surgery, Medical University of Graz, Auenbruggerplatz 5, 8036 Graz

A-0185 Local Aggressive Primary Bone Tumors: Intralesional curettage vs en-block resection guided by navigation.

German Luis Farfalli¹, Jose Ignacio Albergo¹, Nicolas Piuze¹, Lucas Ritacco¹, Miguel Angel Ayerza¹, Domingo Luis Muscolo¹, Luis Alberto Aponte-Tinco¹

¹Hospital Italiano de Buenos Aires

A-0190 Malignant Lymphoma of the bone – clinical findings and diagnostic dilemmas

Saskia Sachsenmaier, Frank Traub

Orthopädische Klinik, Universitätsklinikum Tübingen

A-0195 What sport would you recommend to sarcoma survivors?- An online Qualtrics survey among EMSOS and ISOLS members (Sarcoma Sports Survey)

Gerhard M.Hobusch¹, Michael J. Joyce², Florian Keusch³, Reinhard Windhager¹

¹Medical University of Vienna, Department of orthopaedic surgery, Vienna, Austria ²Cleveland Clinic, USA ³University of Maryland, USA; University of Mannheim, Germany

A-0197 Hip megaprosthesis instability: the double-socket technique

Pablo Puertas García-Sandoval¹, Antonio Valcárcel Díaz¹, Jose Sánchez Archidona¹, Luis Clavel Rojo¹, Belén Níguez Sevilla¹

¹Virgen de la Arrixaca Clinical University Hospital, Murcia, Spain

A-0210 Extraabdominal aggressive fibromatosis. A case series

Laura Izquierdo, Salvador Ausina, María José Mayol, María Carmen Castro

San Juan de Alicante University Hospital

A-0215 Flap coverage associated with wide resection in malignant soft-tissue tumors. A case series

Salvador Ausina¹, Laura Izquierdo¹, Carlos Laredo², María José Mayol¹, Jorge Calbo¹

¹San Juan de Alicante University Hospital ²General University Hospital of Alicante

A-0216 Pathological Fractures and Prognosis of High-Grade Osteosarcoma of the Extremities. An Analysis of 2,847 Consecutive Cooperative Osteosarcoma Study Group (COSS) Patients.

Lisa Kelley¹, Miriam Schlegel¹, Stefanie Hecker-Nolting², Claudia Rössig³, Peter Reichardt⁴, Leo Kager⁵, Thomas Kühne⁶, Georg Gasheger⁷, Reinhard Windhager⁸, Specht¹, Matthias Kevric², Hans Rech¹, Michaela Nathrath⁹, Per-Ulf Tunn¹⁰, Daniel Baumhoer¹¹, Mathias Werner¹⁰, Thekla von Kalle², Stefan Burdach¹, Stefan Bielack², Irene von Luettichau¹ *§Authors contributed equally

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A-0238 Acral Myxoinflammatory Fibroblastic Sarcoma: Case Report and Review of the Literature

Isidre A Gracia, Antonio Garcia, Ignasi Proubasta, Laura Trullols, Ana Peiro

Orthopaedic Oncology Surgery Unit Hospital Sant Pau Barcelona Spain

A-0240 Intraosseous Schwannoma Tumor In Mobile Spine; A Case Report.

Isidre A Gracia, Rocio Gabriele, Peiro Ana, Trullols Laura, Velazquez JuanJose, Perez Belen, Vila Gemma

Orthopaedic Oncology Surgery Unit and Vertebral Surgery Unit Hospital Sant Pau Barcelona Spain

A-0241 Hemivertebrectomy for local recurrence of chondrosarcoma final

Cláudia Rodrigues, Luis Coutinho, Marta Santos, Pedro Serrano, Vânia Oliveira, Pedro Cardoso

Centro Hospitalar do Porto, Porto, Portugal

A-0242 Refractory desmoid-type fibromatosis with a response to pazopanib treatment; there cases reports

Elsuke Kobayashi¹, Hirokazu Chuman¹, Akira Kawai¹

¹National Cancer Center Hospital, Tokyo, Japan

A-0245 Treatment outcome and complications of different fillers used after curettage of benign bone tumors. A systematic review.

Nelson Fabrício Gava¹, Edgard Eduard Engel¹, Lídia Maria Prada¹, Daniel Augusto Carvalho Maranhão¹.

¹Ribeirão Preto Medical School - University of São Paulo, Ribeirão Preto, Brazil.

A-0249 Myxoid liposarcoma of the head and neck. Presentation of a case.

Patricia Martin-Playa, Eduardo Vicario-Elorduy, Francisco Collia-Martin, Raquel Mazarrasa-Alonso, Juan Jose Garcia-Gutierrez

Plastic Surgery and Great Burn Department, Cruces University Hospital, Bilbao, Spain

A-0252 Mutual influences between molecular target drug therapy and surgical intervention for spinal metastasis.

Yoko Hagiwara¹, Shintaro Iwata², Keiji Wada¹, Yasuaki Murata¹

¹Tokyo Women's Medical University, Tokyo, Japan ²Chiba Cancer Center, Chiba, Japan

A-0258 A rare localization of the B-cell lymphoma

Huseyin Botanlioglu¹, Gokhan Kaynak¹, Burkay Camurdan¹, Mehmet Fatih Guven¹, Esref Terzi¹, Yigit Kultur¹, Muharrem Babacan¹, Kerem Ozcan², Nukhet Tuzuner²

¹Istanbul University Cerrahpasa Faculty of Medicine, Department of Orthopaedics and Traumatology, Istanbul, Turkey; ²Istanbul University Cerrahpasa Faculty of Medicine, Department of Pathology, Istanbul, Turkey

A-0267 Application of multifractal analysis of magnetic resonance images in bone neoplasma threatment

Goran Djuricic¹ Jelena Sopta² Jelena Vasiljevic³ Dušan Ristić⁴ Relja Kovačević² Dalibor Ristic⁵ Nenad Lujic⁶

¹ University Children's Hospital, Belgrade, Serbia; ²Institute of Pathology, School of Medicine, University of Belgrade, Belgrade, Serbia; ³Institute "Mihajlo Pupin", Belgrade, Serbia; ⁴Department of Medical Oncology Institute of Oncology and Radiology of Serbia, Belgrade Serbia; ⁵The School of Computing, University Union, Belgrade, Serbia; ⁶Institute for Orthopedic Surgery "Banjica", School of Medicine, University of Belgrade

A-0269 Papillary Thyroid Carcinoma Presenting As Debilitating Hip Pain. A Rare Case.

Francisco Xará Leite, Filomena Soares, Vítor Valente, Pedro Cardoso, Vânia Oliveira

Centro Hospitalar do Porto, Porto, Portugal

A-0270 Applying an infection management protocol in a series of silver-coated tumoural prosthetics – preliminary results.

Francisco Xará Leite, Arnaldo Sousa, André Carvalho, Ricardo Sousa, Pedro Cardoso, Vânia Oliveira

Centro Hospitalar do Porto, Porto, Portugal

A-0274 Aneurysmal bone cysts treated with percutaneous sclerotherapy using polidocanol: Outcomes, complication analysis and recommendations on appropriate patient selection

Merter Yalcinkaya, Yavuz Arikan, Seckin Basilgan, Cantay Gok, Yavuz Kabukcuoglu

Baltalimani Bone Diseases Training and Research Hospital, Istanbul, Turkey

A-0277 Histological changes after denosumab therapy in patients with giant cell tumor of bone

Yavuz Kabukcuoglu, Merter Yalcinkaya, Yavuz Arikan, Seckin Basilgan, Bilge Ozkan, Fevziye Kabukcuoglu

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A-0279 Radiofrequency thermal ablation as treatment of aneurysmal bone cyst: about a case

Lúis Coutinho, Pedro Serrano, Cláudia Rodrigues, João Rosa, Vânia Oliveira, Pedro Cardoso

Centro Hospitalar do Porto

A-0281 Angiosarcoma of popliteal fossa: a case presented as a pathologic fracture

Lúis Coutinho, Pedro Serrano, Cláudia Rodrigues, João Rosa, Vânia Oliveira, Pedro Cardoso

Centro Hospitalar do Porto

Radiology

Wednesday, April 26, 2017 | 09:00 - 10:00 | Plenary room

A-0310 Imaging from radiography to MR-PET

Mester Ádám

ORFI-Radiology

Surgery I.

Wednesday, April 26, 2017 | 10:30 - 12:30 | Plenary room

A-0298 The Doctor's Guide to Biopsy

Andreas Leithner

A-0299 Long term results with bone grafts

Zdenek Matejovsky

A-0300 Biological reconstruction for bone tumors in unusual location

Antonie Taminiau

A-0301 Surgery of the long bone metastases

Sander Dijkstra

Surgery II.

Wednesday, April 26, 2017 | 13:30 - 15:30 | Plenary room

A-0302 Surgery of the pelvis

Pietro Ruggieri

A-0303 Clinicopathological aspects and treatment of GCT of bone

Szendrői Miklós

A-0304 Metastatic Spine Disease

Markus Schultheiss

A-0305 Primary spinal tumors

Lazáry Áron

Oncology

Wednesday, April 26, 2017 | 16:00 - 17:00 | Plenary room

A-0306 Ewing sarcoma: local and systemic control, do we have standardized treatment

Stefano Ferrari

A-0307 Pediatric, adolescent and adult osteosarcoma: Similarities, differences and age-specific challenges

Stephan Bielack

Radiotherapy

Wednesday, April 26, 2017 | 17:00 - 17:30 | Plenary room

Opening Ceremony

Wednesday, April 26, 2017 | 17:30 - 18:30 | Plenary room

New guidelines

Thursday, April 27, 2017 | 08:00 - 09:30 | Plenary room

A-0293 Immunotherapy in sarcomas, a new option for our patients?

Stefano Ferrari - KEYNOTE LECTURE

A-0209 Outcome after Local Recurrence in High-Grade Extremity Soft Tissue Sarcomas; an international multicentre study.

Veroniek van Praag¹, Jos van de Hage², Kees Verhoef³, Han Bonenkamp⁴, Anthony Griffin⁶, Peter Ferguson⁶, Veded Fejzovic¹, Sander Dijkstra¹, Maria Smolle⁵, Andreas Leithner⁵, Jay Wunder⁶, Michiel van de Sande¹

¹LUMC Leiden ²NKI Amsterdam ³Erasmus MC Rotterdam ⁴Radboud MC Nijmegen ⁵Klinikum Graz ⁶Mount Sinai Hospital Toronto

A-0026 Local Control And Survival In Ewing Sarcoma Patients: An Analysis Of The Data Of The Euro-EWING99 Trial

Dimosthenis Andreou¹, Andreas Ranft¹, Daniel Baumhoer², Henk van den Berg³, Benedicte Bricard⁴, Sander Dijkstra⁵, Hans-Theodor Eich¹, Hans Gelderblom⁵, Georg Gosheger¹, Jendrik Harges¹, Jarmila Kruseova⁶, Ruth Ladenstein⁷, Andreas Leithner⁸, Arne Streitbueger¹, Beate Timmermann⁹, Per-Ulf Tunn¹⁰, Eva Wardelmann¹, Reinhard Windhager¹¹, Heribert Juergens¹, Uta Dirksen¹

¹Muenster University Hospital, Muenster, Germany ²University Hospital and University of Basel, Basel, Switzerland ³Emma Children Hospital AMC, Amsterdam, Netherlands ⁴Cliniques Universitaires Saint Luc, Brussels, Belgium ⁵Leiden University Medical Center, Leiden, Netherlands ⁶Charles University, 2nd School of Medicine, Prague, Czech Republic ⁷Anna Kinderkrebbsforschung e.V. and St. Anna Kinderspital, Vienna, Austria ⁸Medical University of Graz, Graz, Austria ⁹West German Proton Therapy Center, Essen, Germany ¹⁰Sarcoma Center Berlin-Brandenburg, Berlin, Germany ¹¹Medical University of Vienna, Vienna, Austria

A-0140 Standard rescue with leucovorin for high-dose methotrexate (HDMTX) in osteosarcoma fails in 50 % of cycles indicating an unmet need of improved rescue therapy

Eriksson M¹, Rychlowska-Pruszyńska M², Csóka M³, Hall KS⁴, Karlén J⁵, Kvistgaard L⁶, Lisjö P⁶, Ganlöv K⁶

¹ Department of Oncology, Skane University Hospital, and Lund University, Lund, Sweden ² Department of Surgical Oncology for Children and Youth, Institute of Mother and Child, Warsaw, Poland ³ Semmelweis University, 2nd Department of Pediatrics, Budapest, Hungary ⁴ Department of Oncology, Norwegian Radium Hospital, Oslo University Hospital, Oslo, Norway ⁵ Karolinska University Hospital, Stockholm, Sweden ⁶ Isofol Medical AB, Gothenburg, Sweden

A-0114 Metastases to the pelvis: algorithm of treatment

Andrea Angelini¹, Giulia Trovarelli¹, Antonio Berizzi¹, Pietro Ruggieri¹

¹Department of Orthopedics and Orthopedic Oncology, University of Padova, Italy

A-0017 Moving Forward Through Consensus – Using A Modified Delphi Approach to Determine Top Research Priorities in the Field of Musculoskeletal Oncology

Patricia Schneider, Nathan Evaniew, Paula McKay, Michelle Ghert

McMaster University, Hamilton, Canada

A-0016 The Prophylactic Antibiotic Regimens in Tumor Surgery (PARITY) International Randomized Controlled Trial: A Global Update

The PARITY Investigators

McMaster University Hamilton, Canada

A-0127 CD 163 Tumor Associated Macrophages (TAMs) and CD8 cytotoxic lymphocytes expression as powerful diagnostic markers for therapeutic stratification in osteosarcoma patients: an analysis of 124 biopsies of the French OS 2006 therapeutic trial

Anne Gomez-Brouchet¹, Claire Ilac¹, Julia Gilhodes², Corinne Bouvier³, Sébastien Aubert⁴, Jean-Marc Guinebretiere⁵, Béatrice Marie⁶, Frédérique Larousserie⁷, Natacha Entz-Werlé⁸, Gonzague de Pinieux⁹, Thomas Filleron², Vincent Minville¹⁰, Eric Mascard¹¹, François Gouin¹², Marie-Cécile Ledele¹³, Sophie Piperno-Neumann¹⁴, Laurence Brugieres¹⁵, Françoise Rédini¹⁶

¹Department of Pathology, IUCT-Oncopole, Toulouse, France. ²Biostatistics Unit, IUCT-Oncopole, Toulouse, France ³Department of pathology, Marseille, France. ⁴Department of pathology, Lille, France. ⁵Department of pathology, Institut Curie, Paris, France. ⁶Department of pathology, Nancy, France. ⁷Department of pathology, CHU Cochin, Paris, France ⁸Medical Oncology Department, Strasbourg, France ⁹Department of pathology, CHU Tours, France ¹⁰Medical School of Rangueil, Toulouse, France ¹¹Department of pediatric orthopedic surgery, Hopital Necker, Paris, France. ¹²Department of orthopedic surgery, Nantes France ¹³Biostatistics Unit, Gustave Roussy, Villejuif, France ¹⁴Department of medical oncology, Institut Curie, Paris, France. ¹⁵Department of pediatric oncology, Institut Gustave Roussy, Paris, France ¹⁶INSERM UMR 957 Nantes, France.

A-0130 The role of bisphosphonates in the treatment of chondrosarcoma lung metastases

Zdenek Matejovsky Jan Lesensky

1st Medical School, Charles University and Institute for Postgraduate Studies, Orthopedic Clinic, Bulovka Hospital, Prague, Czech Republic

A-0196 Developing a severity classification on MRI for Tenosynovial Giant Cell Tumours affecting large joints -preliminary analyses.

Monique Mastboom¹, Floortje Verspoor², David Hanff¹, Maaike Gademan¹, Sander Dijkstra¹, Bart Schreuder², Robert van der Wal¹, Michiel van de Sande¹

¹Leiden University Medical Center, Leiden, The Netherlands ²Radboud University Medical Center, Nijmegen, The Netherlands

A-0206 Internal validation of a Prognostic Model for Treatment decisions in High-grade Soft Tissue sarcomas of the Extremities. Personalized Sarcoma Care (PERSARC)

Veroniek van Praag¹, and Anja J Rueten-Budde², Lee M Jeys³, Minna Laitinen³, Rob Pollock⁴, Will Aston⁴, Jos van de Hage⁵, PD Sander Dijkstra¹, Peter C Ferguson⁶, Anthony M Griffin⁵, Jay S Wunder⁶, Marta Fiocco^(2,7), and Michiel AJ van de Sande¹
¹Department of Orthopaedic Surgery, Leiden University Medical Center, Albinusdreef 2, 2333 ZA Leiden, The Netherlands ²Mathematical Institute, Leiden University, Niels Bohrweg 1, 2333 CA Leiden, The Netherlands ³Department of Orthopaedic Surgery, Royal Orthopaedic Hospital, Bristol Road South, Northfield, Birmingham, B31²AP, United Kingdom ⁴Department of Orthopaedic Surgery, Royal National Orthopaedic Hospital, Brockley Hill, Stanmore, HA7 4LP, United Kingdom ⁵Sarcoma Unit, The National Cancer Institute, Department of Surgery, Postbus 90203 1006 BE Amsterdam, The Netherlands ⁶Musculoskeletal Oncology Unit, Mount Sinai Hospital, and Department of Surgery, University of Toronto, 600 University Avenue, Toronto, ON M5G 1X5, Canada ⁷Department of Medical Statistics and Bioinformatics, Leiden University Medical Center, Albinusdreef 2, 2333 ZA, Leiden, The Netherlands

Nurse section I.

Thursday, April 27, 2017 | 08:30 - 09:30 | Session room

Chair: : Lin Russell, Petra Veldman-Goossen, Nicolette Leijerzapf

A-0044 Review of children and adolescent therapeutic service (ReAT)

Natalie Morgan¹, Abi Aston¹, Hannah Baldwin¹, Anthony Gilbert¹, Edwina Newman¹, Tracy Roskrow¹, Anju Jaggi¹

¹Royal National Orthopaedic Hospital, Stanmore, UK

A-0100 Rehabilitation of children with bone and soft tissue sarcomas

Angela Zabrodnyaya¹, Alla Egorova¹, Anna Petrichenko¹, Elena Bukreeva¹, Nadezhda Ivanova¹, Alexander Ochkurenko², Andrew Prityko¹

¹St. Luka Scientific and Practical Center of Specialized Medical Care for Children, Moscow, Russian Federation ²Central Institute of Traumatology and Orthopaedics named after N.N. Priorov, Moscow, Russian Federation

A-0038 The financial burden of sarcoma surveillance: Tertiary centre patient survey

Hall A, Wadkin J, Slade A, Ward E, Forsythe J, Killingworth A, Russell L, Stevenson JD

The Royal Orthopaedic Hospital NHS Foundation Trust, Birmingham, UK

A-0288 Quality of care; a joined effort

K. te Plate, P. de Kam

Oncology nurses, Department of Orthopaedic Surgery, Radboud University Medical Centre, Nijmegen, the Netherlands

Rare type of bone and soft tissue sarcomas

Thursday, April 27, 2017 | 10:00 - 11:30 | Plenary room

A-0280 Surgical outcome in chest wall chondrosarcoma: consider pleural resection.

s. westerbos¹, M. Schuijt¹, W. van Houdt², F. van Coevorden², S. Dijkstra¹

¹Department of Orthopaedic Surgery, Leiden University Medical Centre, Leiden, The Netherlands ²Department of Surgical Oncology, The Netherlands Cancer Institute, Amsterdam, The Netherlands

A-0138 Chondroblastoma in adult age

Andrea Angelini¹, Mohammad Hassani², Eugenio Rimondi³, Giulia Trovarelli¹, Antonio Berizzi¹, Pietro Ruggieri¹

¹ Department of Orthopedic and Orthopedic Oncology, University of Padova, Italy ² Department of Orthopedic Surgery, Imam Reza Hospital, Mashhad University of Medical Sciences, Mashhad, Iran ³ Department of Radiology, Istituto Ortopedico Rizzoli, Bologna, Italy

A-0111 Clear cell chondrosarcoma: one-centre experience and literature review

Alexander Klein¹, Felix Tauscher¹, Andrea Baur-Melnyk², Thomas Knösel³, Volkmar Jansson¹, Hans Roland Dürr¹ ¹ Musculoskeletal Oncology, Department of Orthopaedic Surgery, Physical Medicine and Rehabilitation, Campus Grosshadern, Ludwig-Maximilians-University, Marchioninstr. 15, 81377, Munich, Germany ² Institute of Radiology, Campus Grosshadern, Ludwig-Maximilians-University, Marchioninstr. 15, 81377, Munich, Germany ³ Institute of Pathology, Campus Grosshadern, Ludwig-Maximilians-University, Marchioninstr. 15, 81377, Munich, Germany ⁴ Musculoskeletal Oncology, Department of Orthopaedic Surgery, Physical Medicine and Rehabilitation, Campus Grosshadern, Ludwig-Maximilians-University, Marchioninstr. 15, 81377, Munich, Germany

A-0012 Fibrocartilaginous mesenchymoma: the Rizzoli experience.

Marco Gambarotti¹, Alberto Righi¹, Daniel Vanel¹, Stefania Cocchi¹, Stefania Benini¹, Francesca M Elli², Giovanna Mantovani², Pietro Ruggieri³, Stefano Boriani⁴, Davide M Donati⁵, Marta Sbaraglia⁶, Angelo P Dei Tos⁶, Piero Picci¹

¹Rizzoli Orthopaedic Institute, Department of Pathology, Bologna, Italy; ²Fondazione IRCCS Ca' Granda Ospedale Maggiore Policlinico, Department of Clinical Sciences and Community Health, University of Milan, Endocrinology and Diabetology Unit, Milan, Italy; ³University of Padova, Department of Orthopedics and Orthopedic Oncology, Padova, Italy; ⁴Rizzoli Orthopaedic Institute, Department of Degenerative and Oncologic Spine Surgery, Bologna, Italy; ⁵Rizzoli Orthopaedic Institute, Department of Orthopaedic Oncology, Bologna, Italy; ⁶Treviso Regional Hospital, Department of Pathology, Treviso, Italy

A-0247 Primary alveolar rhabdomyosarcoma of the bone

Petra Balogh¹, Monika Csóka², Zoltán Sági¹

¹1st Department of Pathology and Experimental Cancer Research, Semmelweis University, Budapest, Hungary ²2nd Department of Pediatrics, Semmelweis University, Budapest, Hungary,

A-0251 Oncological outcome of synovial sarcoma of bone treated by limb salvage surgery

Walid Ebeid, Mostafa Sharkawy, Wesam Aboussen, Mustafa Salah

Cairo university, Cairo, Egypt

A-0191 Leiomyosarcoma of bone

Walid Ebeid, Shady Elia

Cairo university, Cairo, Egypt

A-0235 Clear cell sarcoma of soft tissue: very rare tumour with a high rate of local recurrence and metastasis.

Isidre A Gracia, Angie Millan, Laura Trullols, Ana Peiro, Camila Chanes

Oncology Surgery Unit Hospital Sant Pau Barcelona Spain

A-0193 Adamantinoma and OFD-like adamantinoma

Lukáš Pazourek¹, Tomáš Tomáš¹, Pavel Janiček¹, Michal Mahdal¹, Jaromír Černý¹, Štěpán Ondrůšek¹, Karel Veselý²

¹1st Orthopaedic Department St. Anne's University Hospital; ²1st Department of Pathology St Anne's University Hospital

Nurse section II.

Thursday, April 27, 2017 | 10:00 - 11:30 | Session room

Chair: : Lin Russell, Petra Veldman-Goossen, Nicolette Leijerzapf

A-0289 Case report: specific care in the operating theatre for a patient who undergoes a tumor resection and reconstruction with a tumor prosthesis

Arts R.

Department of Orthopaedic Surgery, Radboud University Medical Centre, Nijmegen, the Netherlands

A-0202 Shared Decision Making in children and adolescents undergoing malignant bone cancer surgery.

W. Peter Bekkering, Marlieke E.E. Hagemeyer, Jos A.M. Bramer

Department of Orthopaedic surgery, Academic Medical Center, Amsterdam, the Netherlands.

A-0291 Hyperbaric oxygen therapy for the treatment of late radiation tissue injury of soft tissue sarcoma; four cases

N.A.C.Leijerzapf, R.J.P. van der Wal, M.A.J.vande Sande, P.D.S. Dijkstra

Leiden University Medical Center, Leiden, The Netherlands

A-0290 Paediatric Oncology Holliday Camps (SKOV) and their role in rehabilitation of bone cancer patients

Dr. W. Peter Bekkering

Child Development & Exercise Center, Wilhelmina Children's Hospital - Princess Máxima Center for Pediatric Oncology, Utrecht, The Netherlands

EMSOS Lecture

Thursday, April 27, 2017 | 11:30 - 12:00 | Plenary room

A-0308 Evolution of Neoadjuvant Chemotherapy for Osteosarcoma: The New Paradigm for Solid Tumor Therapy

Gerald Rosen

NYU School of Medicine

Industry Sponsored Symposium

Thursday, April 27, 2017 | 12:45 - 13:45 | Plenary room

Spine

Thursday, April 27, 2017 | 13:45 - 15:00 | Plenary room

A-0309 Surgical treatment of primary tumours of the sacrum

Varga Péter Pál - KEYNOTE LECTURE

A-0294 Surgical treatment of spinal metastasis

Markus Schultheiss - KEYNOTE LECTURE

A-0005 Quality of Life after Resection of Mobile Spine Chordoma

Joseph H Schwab; Stein Jasper Janssen; Nuno Rui Paulino Pereira; Yen Lin E Chen; John C wain; Thomas F Delaney; Francis J Hornicek
Massachusetts General Hospital, Boston, Massachusetts, USA

A-0035 An analysis of the infiltrative features of sacral chordoma: the relationship between histological features and postoperative outcomes

Toru Akiyama¹, Koichi Ogura^{2,3}, Tabu Gokita⁴, Satoshi Tsukushi⁵, Shintaro Iwata⁶, Tomoki Nakamura⁷, Akihiko Matsumine⁷, Tsukasa Yonemoto⁶, Yoshihiro Nishida⁸, Kazuo Saita¹, Akira Kawai³, Seiichi Matsumoto⁴, Takehiko Yamaguchi⁹
¹Saitama Medical Center, Jichi Medical University, Saitama, Japan; ²The University of Tokyo Hospital, Tokyo, Japan; ³National Cancer Center Hospital, Tokyo, Japan; ⁴Cancer Institute Hospital, Tokyo, Japan; ⁵Aichi Cancer Center Hospital, Aichi, Japan; ⁶Chiba Cancer Center, Chiba, Japan; ⁷Mie University Hospital, Mie, Japan; ⁸Nagoya University Graduate School and School of Medicine, Aichi, Japan; ⁹Dokkyo Medical University Koshigaya Hospital, Saitama, Japan

A-0204 Surgical treatment of sacral chordoma: en-bloc resection with negative margins is determinant for long-term outcome

Colangeli S, Bettini L, Frenos F, Scoccianti G, Beltrami G, Campanacci D.A., Capanna R
CTO-Careggi Hospital, Florence, Italy

A-0093 Chromosomal deletion (22q13) may be associated with sacral chordoma recurrence

Árpád Bozsódi¹, Beata Scholtz², Gergő Papp³, Péter Pál Varga¹, Áron Lazáry¹
¹National Center for Spinal Disorders, Budapest, Hungary ²University of Debrecen, Department of Biochemistry and Molecular Biology, Debrecen, Hungary ³Semmelweis University, 1st Department of Pathology and Experimental Cancer Research, Budapest, Hungary

A-0105 A Nomogram That Predicts 1, 3, and 12 months Survival for Operable Spine Metastatic Disease: External Validation

Nuno Rui Paulino Pereira¹; Lily McLaughlin²; Stein J. Janssen³; Cornelis N. van Dijk⁴; Jos A.M. Bramer⁴; Ilya Laufer²; Mark H. Bilsky²; Joseph H. Schwab¹

1) Massachusetts General Hospital – Harvard Medical School, Boston, USA 2) Memorial Sloan Kettering Cancer Center, New York, USA 3) Onze Lieve Vrouwe Gasthuis, Amsterdam, The Netherlands 4) Academic Medical Center – University of Amsterdam, Amsterdam, The Netherlands

A-0106 Quality of life changes after surgery for spine metastatic disease: a review and meta-analysis.

N.R. Paulino Pereira^{1,2}; O.Q. Groot¹; J.H. Schwab¹; C.N. van Dijk²; J.A.M. Bramer²

1) Massachusetts General Hospital – Harvard Medical School, Boston, USA 2) Academic Medical Center – University of Amsterdam, Amsterdam, the Netherlands

A-0056 Case report of a patient with aggressive fibromatosis

Marton Ronai, Peter Pal Varga

National Center For Spinal Disorders, Budapest, Hungary

Basic research

Thursday, April 27, 2017 | 13:45 - 15:00 | Session room

A-0020 MICROENVIRONMENT INFLUENCE ON OSTEOSARCOMA'S HISTOLOGICAL RESPONSE TO CHEMOTHERAPY: RETROSPECTIVE ANALYSIS AND PRECLINICAL MODELING

Vincent Crenn^{1,2,3}, Kevin Biteau^{1,2}, Jérôme Amiaud^{1,2}, Clotilde Dumars⁴, Romain Guiho^{1,2}, Luciano Vidal^{1,2}, Louis-Romée Le Nail^{1,2,5}, Dominique Heymann^{1,2}, Anne Moreau⁴, François Gouin^{1,2,3}, Françoise Redini^{1,2}

¹Inserm UMR 957, Nantes, France ²Université de Nantes, Laboratoire de physiopathologie de la résorption osseuse et thérapie des tumeurs osseuses primitives; faculté de médecine, Nantes, France ³Orthopedic Department, CHU Hôtel DIEU, Nantes, France ⁴Pathology Department, CHU Hôtel DIEU, Nantes, France ⁵Orthopedic Department, CHU Trousseau, Tours, France

A-0171 Cancer-associated mesenchymal stroma fosters the stemness of osteosarcoma cells in response to intratumoral acidosis

Sofia Avnet¹, Gemma Di Pompo¹, Tokuhiko Chano², Costantino Errani³, Arig Ibrahim-Hashim⁴, Robert J Gillies⁴, Davide Maria Donati³, Nicola Baldini^{1,4}

¹Orthopaedic Pathophysiology and Regenerative Medicine Unit, Istituto Ortopedico Rizzoli, Bologna, Italy. ²Department of Clinical Laboratory Medicine, Shiga University of Medical Science, Otsu, Shiga, Japan ³Orthopaedic Oncology Surgical Unit, Istituto Ortopedico Rizzoli, Bologna, Italy. ⁴Department of Imaging Research, H. Lee Moffitt Cancer Center and Research Institute, Tampa, FL, USA.

A-0257 Circulating Tumour Cells as a biomarker of early/recurrent disease and therapeutic response in a preclinical model of osteosarcoma

Antoine Chalopin^{1,2}, Marta Tellez-Gabriel^{1,3}, Marie-Francoise Heymann^{1,2,4}, Francois Gouin Francois^{1,2,4}, Dominique Heymann^{1,2,4}

¹INSERM, UMR 957, Pathophysiology of Bone Resorption and Therapy of Primary Bone Tumours, Equipe Ligue 2012, University of Nantes, 44035 Nantes, France ²Nantes University Hospital, Place Alexis Ricordeau, Nantes France ³Laboratorio Hematologia Oncologica y de Transplantes, Institut Investigacions Biomèdiques (IBB) Sant Pau, Hospital de la Santa Creu i Sant Pau, Barcelona 08025, Spain ⁴European Associated Laboratory, INSERM, University of Sheffield, Sarcoma Research Unit, Medical School, S10 2RX, Sheffield, UK

A-0261 Diagnostic value of TFE3 break-apart FISH assay for Xp11,2 translocation in alveolar soft part sarcoma

Jelena Sopta¹, Relja Kovacevic¹, Nenad Lujic², Dusan Ristic³, Radoslav Davidovic⁴, Martina Bosic¹

¹Institute of Pathology, Medical faculty, University of Belgrade ²Institute for Orthopedic Surgery "Banjica", University of Belgrade ³Institute of Oncology, University of Belgrade ⁴Institute of Nuclear Sciences "Vinča", University of Belgrade

A-0170 Lactate shuttling as a fuel for osteolytic activity in giant cell tumor of bone

Sofia Avnet¹, Silvia Lemma^{1,2}, Marina Prifti¹, Costantino Errani³, Davide M. Donati³, Nicola Baldini^{1,2}

¹Orthopaedic Pathophysiology and Regenerative Medicine Unit, Bologna, Italy. ²Department of Biomedical and Neuromotor Sciences, University of Bologna, Bologna, Italy. ³Orthopaedic Oncology Surgical Unit, Istituto Ortopedico Rizzoli, Bologna, Italy.

A-0173 Lactate exchange between osteoclast and cancer cells promote osteolysis in skeletal metastases

Silvia Lemma^{1,2}, Gemma Di Pompo^{1,2}, Paolo E. Porporato³, Martina Sboarina³, Shonagh Russell⁴, Pierre Sonveaux³, Robert J. Gillies⁴, Nicola Baldini^{1,2}, Sofia Avnet¹

¹Orthopaedic Pathophysiology and Regenerative Medicine Unit, Istituto Ortopedico Rizzoli, Bologna, Italy. ²Department of Biomedical and Neuromotor Sciences, University of Bologna, Bologna, Italy. ³Pole of Pharmacology, Institute of Experimental and Clinical Research (IREC), Université catholique de Louvain (UCL), Brussels, Belgium. ⁴Department of Cancer Imaging and Metabolism, H. Lee Moffitt Cancer Center and Research Institute, Tampa, Florida.

A-0076 Orphan drugs for rare disease. Is lithium or arsenic trioxide a treatment option for rhabdomyosarcoma?

Frank Traub¹, Julian J. Zaborski¹, Rosa Riemer¹, Rupert Handgretinger², Sabine B. Schleicher², Karen A. Boehme¹

¹, Department of Orthopaedic Surgery, Eberhard Karls University Tuebingen, Tuebingen, Germany; ²Department of Paediatric Hematology and Oncology, Eberhard Karls University Tuebingen, Tuebingen, Germany

Aggressiv Fibromatosis

Thursday, April 27, 2017 | 15:30 - 17:00 | Plenary room

A-0142 Operative versus non-operative approach in aggressive fibromatosis: a single institution experience

Pierluigi Cuomo¹, Maurizio Scorianz¹, Nicola Mondanelli¹, Giacomo Mazzei¹, Giacomo Baldi², Rodolfo Capanna³, Domenico Campanacci¹

¹Department of Orthopaedic Oncology, CTO, Azienda O.U. Careggi, Firenze, Italy, ²Department of Cancer Medicine, S. Stefano Civil Hospital, Prato, Italy, ³Il Clinic University of Pisa, Pisa, Italy

A-0250 Results of surgical treatment of fibromatosis.

Phillip T. Funovics, Joannis Panotopoulos, Gabriele Amann, Reinhard Windhager

Medical University of Vienna Department of Orthopaedics

A-0043 Long Term Results of Desmoid Fibroma Treatment

V.M. MURAT HIZ¹, SUAT ULUTAS¹, AYBARS KIVRAK¹, BEDRI KARAISSMAILIOGLU¹, FAZILET DINCIBAS²

¹Istanbul University Cerrahpasa Faculty of Medicine, Department of Orthopaedics and Traumatology, Istanbul, Turkey; ²Istanbul University Cerrahpasa Faculty of Medicine, Department of Radiation Oncology, Istanbul, Turkey.

A-0063 Planned R1 resection for selected patients with extra-peritoneal desmoids-type fibromatosis

Yoshihiro Nishida, Shunsuke Hamada, Hiroshi Urakawa, Eisuke Arai, Kunihiro Ikuta, Naoki Ishiguro

Nagoya University Graduate School of Medicine, Nagoya, Japan

A-0276 "Learning To Live Together With The Disease": Surgical Treatment Outcomes In 51 Patients With Aggressive Fibromatosis

Harzem Ozger¹, Osman Emre Aycan², Bugra Alpan³, Natig Valiyev²

¹Istanbul University Istanbul Faculty of Medicine Dept. of Orthopaedics and Traumatology, Istanbul, Turkey; ²Acibadem Maslak Hospital Dept. of Orthopaedics and Traumatology, Istanbul, Turkey; ³Acibadem University School of Medicine Dept. of Orthopaedics and Traumatology, Istanbul, Turkey

A-0051 Progression free interval after different types of extra-abdominal desmoid tumors treatment: 20-year experience of single center

Anatolii Diedkov, Maria Kukushkina, Sergiy Korovin, Andriy Palivets, Igor Volkov, Sergiy Boychuk, Viktor Kostyuk, Bogdan Maksimenko

National Cancer Institute, Kyiv, Ukraine

Spine / Rare types

Thursday, April 27, 2017 | 15:30 - 17:00 | Session room

A-0161 Functional Outcome following Excision but No Reconstruction in patients with Sacral Tumors

Shah Alam Khan, Shishir Rastogi, Sameer Bakhshi
All India Institute of Medical Sciences, New Delhi, India

A-0188 Biomechanical aspects of non-rigidity in lumbopelvic reconstruction following total sacrectomy

Peter Endre Eltes^{1,2}, Laszlo Kiss^{1,2}, Damien Lacroix³, Aron Lazary¹, Peter Pal Varga¹
¹National Center for Spinal Disorders, Budapest, ²School of Ph.D Studies, Semmelweis University, Budapest ³Department of Mechanical Engineering, INSIGNEO Institute for in Silico Medicine, The University of Sheffield

A-0181 Predicting high surgical treatment costs at primary spinal tumor patients

Zsolt Szoverfi¹, Aron Lazary¹, Izabella Koszo¹, Kornel Papik¹, Peter Pal Varga¹
¹National Center for Spinal Disorders

A-0194 Spine Oncology Study Group Outcomes Questionnaire: a valid and reliable patient reported outcome measure for spine oncology patients

Anne L. Versteeg¹, Arjun Sahgal¹, Aron Lazary^{2,3}, Laurence D. Rhines⁴, Daniel M. Sciubba⁵, James M. Schuster⁶, Michael Weber⁷, Michael G. Fehlings⁸, Michelle J. Clarke⁹, Paul M. Arnold¹⁰, Ziya L. Gokaslan¹¹, Charles G. Fisher¹², AOSpine Knowledge Forum Tumor¹³
¹Sunnybrook Odette Cancer Centre and University of Toronto, Toronto, Canada; ²National Center for Spinal Disorders, Budapest, Hungary; ³Semmelweis University, Budapest, Hungary; ⁴The University of Texas MD Anderson Cancer Center, Houston, USA; ⁵Johns Hopkins University School of Medicine, Baltimore, USA; ⁶Hospital of the University of Pennsylvania, Philadelphia, USA; ⁷McGill University and Montreal General Hospital, Montreal, Canada; ⁸University of Toronto and Toronto Western Hospital, Toronto, Canada; ⁹Mayo Clinic, Rochester, USA; ¹⁰The University of Kansas Hospital, Kansas City, USA; ¹¹The Warren Alpert Medical School of Brown University and Rhode Island Hospital and The Miriam Hospital, Providence, USA; ¹²The Combined Neurosurgical and Orthopaedic Spine Program at Vancouver Coastal Health, Vancouver, Canada; ¹³AOSpine International, Davos, Switzerland

A-0078 The Evaluation of Osseointegration on Bone to Implant Border in Sacrectomy and Hemipelvectomy Patients Reconstructed with 3D Custom Made Prostheses

Daniel Kotrych MD¹, Phd, Andrzej Bohatyrewicz MD¹, Phd, Bozena Birkenfeld MD, Phd¹, Dominik Skupiński MD, Phd¹, Michael P.A. Bus MD⁴, Magdalena Rychłowska-Pruszyńska MD, Phd², Piotr Rutkowski MD, Phd², Andrzej Szafranski MD, Phd², Andrzej Pienkowski MD, Phd³, Phd, Paweł Ziętek MD, Phd¹, P.D. Sander Dijkstra MD, Phd⁴, Jerzy Nazar MD, Phd⁵
1. Pomeranian Medical University, Szczecin, Poland; 2. The Institute of Mother and Child, Warsaw, Poland; 3. The National Institute of Oncology, Warsaw, Poland; 4. Leiden University Medical Center, The Netherlands; 5. Medical University of Poznan, Poland

A-0234 Reconstruction of spinopelvic stability with a 3D-printed sacral endoprosthesis after total en bloc sacrectomy

Wei Guo, Ran Wei, Xiaodong Tang, Haijie Liang
Musculoskeletal tumor center, Peking University People's Hospital, Beijing, China

A-0143 Establishment of clival chordoma cell line MUG-CC1 and lymphoblastoid cells as a model for potential new treatment strategies

Gellner V¹, Tomazic PV², Lohberger B³, Meditz K⁴, Heitzer E⁵, Mokry M¹, Koele W¹, Leithner A³, Liegl-Atzwanger B⁵, Rinner B⁴.
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A-0159 Distal extremities sarcomas: are they so different from other limb localizations?

Jean-Camille Mattei¹, Veronique Brouste², Philippe Terrier³, Sylvie Bonvalot⁴, Axel Lecesne⁵, Eberhard Stoeckle⁶, Antoine Italiano⁶, Dominique Ranchere-Vince⁷, Pierre Meeus⁷, Marick Lae⁴, Philippe Rosset⁸, Alexandre Rochwerger⁹, Jean Michel Coindre², Sebastien Salas⁹
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A-0265 Outcome of Ewing's Sarcoma Family of Tumors of the Chest Wall in Pediatric Patients, Children Cancer Hospital, Egypt, 57357 (CCHE) Experience.

Sonia M. Ahmed¹, Enas El Nadi⁶, Maged El Shafeiy², Gehad Taha⁷, Mohamed Saad Zaghloul³, Iman Zaky⁴, Hala Taha⁵, Omneya Hassanain⁸, Nehal Kamal⁸, Manal Zamzam¹
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A-0254 Surgical resection with clear margins is associated with an improved survival in a series of 22 patients with malignant Triton tumour of the trunk and the extremities

Panagiotis Tsagozis, Czar Louie Gaston, Vaiyapuri Sumathi, William Boyle, Vaiyapuri Sumathi, Robert Grimer
Royal Orthopaedic Hospital, Birmingham, UK

A-0246 The rare angiomatoid fibrous histiocytoma can cause a severe paraneoplastic syndrome. The etiology and molecular background on basis of three patients.

János Kiss¹, Imre Antal¹, Petra Balogh², Zoltán Sági², Mónika Csóka³, Zoltán Jenővári³, Zoltán Oláh⁴;

¹Semmelweis Univ. Budapest, Dept.of. Orthopaedics, Hungary;²Semmelweis Univ. Budapest, 1st Dept.of Pathology and Experimental Cancer Research, Hungary;³Semmelweis Univ. Budapest, II.Dept. of Pediatrics, Hungary;⁴Semmelweis Univ. Budapest, Dept.of Heart and Vascular Surgery, Hungary;

General Assembly

Thursday, April 27, 2017 | 17:00 - 17:45 | Plenary room

Giant cell tumor / Denosumab

Friday, April 28, 2017 | 08:00 - 09:30 | Plenary room

A-0295 Current considerations in management of giant cell tumour of bone – a medical oncologist's perspective

Jeremy Whelan - KEYNOTE LECTURE

A-0069 Intraoperative cryotherapy with or without preoperative denosumab in Giant Cell Tumor of bone

Guido Scoccianti¹, Domenico A. Campanacci¹, Francesca Totti¹, Giacomo G. Baldi², Giovanni Beltrami¹, Rodolfo Capanna³
¹Careggi University Hospital - Orthopaedic Oncology Dept - Firenze - Italy ²Prato Hospital - Medical Oncology Dept - Prato - Italy ³Pisa University Hospital - Orthopaedic Dept - Pisa - Italy

A-0283 Does decreasing dose frequency of Denosumab treatment in Giant Cell Tumour of Bone lead to less drug-related adverse events?

Czar Louie Gaston, Michael Parry, Robert Grimer
Royal Orthopaedic Hospital Birmingham, UK

A-0029 Denosumab as neoadjuvant treatment in giant cell tumor of bone - Preliminary results

Segura, FV¹, Segura, FP¹, Segura, FM¹, German, G¹, Mux, J¹, Paz, A¹
¹Cordoba Musculoskeletal Tumor Unit -- Department of Orthopaedics- National University of Cordoba- Cordoba - Republica Argentina

A-0255 Can denosumab meet expectations in the treatment of giant cell tumour of bone? Short-term clinical and radiologic results of 15 patients

Merter Yalcinkaya, Osman Lapcin, Yavuz Arikan, Cantay Gok, Volkan Gur, Yavuz Kabukcuoglu
Baltalimani Bone Diseases Training and Research Hospital, Istanbul, Turkey

A-0266 Radiological, histological and genetic features during the preoperative denosumab therapy for giant cell tumour of bone

Shintaro Iwata, Takahiro Sugiyama, Hiroto Kamoda, Hajime Kageyama, Tsukasa Yonemoto, Makiko Itami, Takeshi Ishii
Chiba Cancer Center, Chiba, Japan

A-0292 Morphological and cytogenetic alterations after denosumab treatment in Giant Cell Tumor

Sápi Zoltán¹, Antal Imre², Perlaky Tamás², Szendrői Miklós²
¹Semmelweis University I. Department of Pathology and Experimental Cancer Research ²Semmelweis University Department of Orthopaedics

A-0164 Malignant transformation of a recurrent Giant Cell Tumor of Bone under treatment by Denosumab

Thierry Rod Fleury^{1,2}, Frédérique Larousserie², Anne-Laure Rougemont¹, Valérie Dumaine²
¹HUG, Geneva, Switzerland; ²CHU Cochin, Paris, France

A-0220 A high grade osteosarcoma arising in a patient with recurrent giant cell tumor of the left ischium while receiving treatment with denosumab

Costantino Errani¹, Shinji Tsukamoto², Marco Gambarotti¹, Alberto Righi¹, Piergiuseppe Tanzi¹, Sofia Avnet¹, Nicola Baldini¹, Davide Donati¹.
¹Istituto Ortopedico Rizzoli, Bologna, Italy. ²Nara Medical University, Nara, Japan.

A-0263 Correlation of β -catenin expression and pathological fractures in giant cell tumor of bone

Nenad Lujic¹, Dusan Ristic², Jelena Bokun², Relja Kovacevic³, Radoslav Davidovic⁴, Jelena Sopta³
1 Institute for Orthopedic Surgery "Banjica", Belgrade, Serbia 2. Institute of Oncology, University Belgrade, Serbia 3 Institute for Pathology, Medical faculty, University Belgrade, Serbia 4 Institute of Nuclear Sciences "Vinča", University of Belgrade, Serbia

A-0229 Second Malignancies(SM) in Pediatric Sarcoma Survivors 2016

Rejin Kebudi¹, Harzem Ozger^{2,5}, Inci Ayan³, Omer Gorgun¹, Fulya Yaman Agaoglu³, Abut Kebudi⁴, Osman Emre Aycan⁵, Bugra Alpan⁶, Emin Darendeliler³
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Soft tissue sarcomas

Friday, April 28, 2017 | 08:00 - 09:30 | Session room

A-0149 Mazabraud's Syndrome; a multicenter study by the European Musculo-Skeletal Oncology Society: EMSOS

Bas Majoor¹, Michiel van de Sande¹, Natasha Appelman-Dijkstra², Andreas Leithner³, Paul Jutte⁴, Roberto Vélez⁵, Tamás Perlaky⁶, Eric Staals⁷, Neveen Hamdy² and P.D. Sander Dijkstra¹

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A-0217 Impact of adjuvant radiotherapy on prognosis of patients with high-grade soft tissue sarcomas: Japanese large cohort analysis

Shintaro Iwata¹, Takeshi Ishii¹, Akira Kawai²

¹Chiba Cancer Center, Chiba, Japan; ²National Cancer Center Hospital, Tokyo, Japan

A-0189 ADJUVANT EXTERNAL BEAM RADIATION THERAPY PLUS BRACHYTHERAPY AFTER RE-EXCISION SURGERY IN SOFT TISSUE SARCOMAS

A. Cortesi^{1,2}, G. Ghigi¹, A. Galuppi², G. Bianchi³, D. M. Donati³, M. Gambarotti⁴, M. Cesari⁵, S. Ferrari⁵, F. Romani⁶, S. Palazzi¹, E. Menghi⁷, A. G. Morganti², S. Cammelli²

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A-0037 Soft Tissue Sarcoma Of The Lower Limb: Functional Score After Preoperative Radiation Therapy And Limb Sparing Surgery

Yehuda Kollender^{1,4}, Gal Greenberg^{1,4}, Vjaceslav Soyfer^{3,4}, Ofer Merimsky^{2,4}

1 Department of Orthopedic Oncology, Tel-Aviv Medical Center 2 Unit of Bone and Soft Tissue Oncology, Tel-Aviv Medical Center 3 Unit of Radiation Oncology, Tel-Aviv Medical Center 4 Sackler School of Medicine, Tel Aviv University, Israel

A-0112 Atypical lipomatous tumor of the extremities: is marginal resection sufficient?

Jessica Rauh¹, Alexander Klein¹, Andrea Baur-Melnyk², Thomas Knösel³, Lars Lindner⁴, Falk Roeder^{5,6}, Volkmar Jansson¹, Hans Roland Dürr¹ 1 Musculoskeletal Oncology, Department of Orthopaedic Surgery, Physical Medicine and Rehabilitation, Campus Grosshadern, Ludwig-Maximilians-University, Marchioninstr. 15, 81377, Munich, Germany 2 Institute of Radiology, Campus Grosshadern, Ludwig-Maximilians-University, Marchioninstr. 15, 81377, Munich, Germany 3 Institute of Pathology, Campus Grosshadern, Ludwig-Maximilians-University, Marchioninstr. 15, 81377, Munich, Germany 4 Department of Medicine III, Campus Grosshadern, Ludwig-Maximilians-University, Marchioninstr. 15, 81377, Munich, Germany 5 Department of Radiotherapy, Campus Grosshadern, Ludwig-Maximilians-University, Marchioninstr. 15, 81377, Munich, Germany 6 CCU Radiation Oncology, German Cancer Research Center (DKFZ), Heidelberg Musculoskeletal Oncology, Department of Orthopaedic Surgery, Physical Medicine and Rehabilitation, Campus Grosshadern, Ludwig-Maximilians-University, Marchioninstr. 15, 81377, Munich, Germany

A-0134 Resection of soft tissue sarcoma with adequate wide margin can lead to good local control without adjuvant radiation therapy.

Toshiyuki Kunisada¹, Tomohiro Fujiwara¹, Joe Hasei¹, Hiroyuki Yana², Toshifumi Ozaki¹

¹Department of Orthopaedic Surgery; ²Department of Pathology, Okayama University Hospital, Okayama, Japan

A-0163 A Nationwide study on Tenosynovial Giant Cell Tumours in the Netherlands - reporting on higher numbers for incidence and true recurrence rates.

Monique Mastboom¹, Floortje Verspoor², Daniel Uittenbogaard¹, Arjen Verschoor¹, Banne Nemeth¹, Judith Bovee¹, Walter Mastboom³, Hans Gelderblom¹, Sander Dijkstra¹, Bart Schreuder², Michiel van de Sande¹

¹Leiden University Medical Center, Leiden, The Netherlands ²Radboud University Medical Center, Nijmegen, The Netherlands ³Medisch Spectrum Twente, Enschede, The Netherlands

A-0244 Treatment of STS patients developing metastasis: Should we be less or more aggressive?

Maria A Smolle¹, Marko Bergovec¹, Joanna Szkandera², Bernadette Liegl-Atzwanger³, Andreas Leithner¹

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A-0074 Histology and grading are important prognostic factors in synovial sarcoma.

Andrea Sambri¹, Giuseppe Bianchi¹, Angelo Paolo Dei Tos², Alberto Righi¹, Davide Donati¹

¹Istituto Ortopedico Rizzoli, Bologna, Italy ²Treviso General Hospital, Treviso, Italy

A-0180 Successful treatment of locally advanced leiomyosarcoma by isolated limb perfusion with TNF-alpha and melphalan

Lars Erik Podleska¹, Benjamin Schwindenhammer², Sebastian Bauer³, Georg Taeger¹, Florian Grabellus²

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Essen, Germany

A-0027 Long term results of intraoperative radiotherapy in soft tissue sarcomas

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¹Orthopaedic University clinic Heidelberg; ²Department of radiotherapy of University clinic Heidelberg

Follow-up recurrences I.

Friday, April 28, 2017 | 10:00 - 11:30 | Plenary room

A-0226 Prediction of risk of metastases and when they are most likely to occur. A help to planning follow up.

Robert Grimer - KEYNOTE LECTURE, Lee Jeys, Michael Parry
Royal Orthopaedic Hospital. Birmingham

A-0055 Silver-coated Megaprotheses in the Proximal Femur in Patients with Sarcoma

Jendrik Harges, Marcel-Philipp Henrichs, Georg Gosheger, Gregor Hauschild, Markus Nottrott, Wiebke Guder, Dimostheneous Andreou, Arne Streitbürger
Department of Orthopaedics, University Clinic of Muenster, Germany

A-0097 Outcome of septic complications following megaprosthesis reconstruction of a musculoskeletal tumour of the lower limb

Sigmund IK¹, Gamper J¹, Weber C¹, Hipfl C², Puchner SE¹, Staats K¹, Panotopoulos J¹, Funovics PT¹, Holinka J¹, Windhager R¹
¹Medical University of Vienna, Austria ²Charite- Medical University, Berlin, Germany

A-0065 Silver-coated tumour prosthesis show similar rate of revision due to infection as non-silver coated tumour prosthesis in extremities in medium term follow-up

Parry MC¹, Briggs E², Albergo JI³, Gaston CL¹, Laitinen MK⁴, Stevenson J¹, Grimer R¹, Jeys L¹
1. Oncology Unit, Royal Orthopaedic Hospital NHS Foundation Trust, Birmingham, UK 2. School of Medicine and Dentistry, University of Birmingham, Birmingham, UK 3. Hospital Italiano Buenos Aires, Buenos Aires, Argentina 4. Department of Orthopaedics, Unit of Musculoskeletal Surgery, Tampere University Hospital, Tampere, Finland

A-0124 FUNCTIONAL RESULTS OF TUMOR RECONSTRUCTION WITH A TOTAL FEMORAL REPLACEMENT

Rafael Carbonell-Escobar¹, Manuel Peleteiro-Pensado², Irene Barrientos-Ruiz³, Eduardo Ortiz-Cruz⁴
^{1, 2, 3, 4}: University Hospital La Paz, Madrid, Spain

A-0068 Proximal Femoral Endoprosthetic Replacements for the Management of Pathological Fractures of the Femur

Adriana Hernandez-Lopez, Chindanai Hongsaprabhas, Czar Louie Gaston, Lee M Jeys, Roger M Tillman, Adesegun T Abudu
Royal Orthopaedic Hospital NHS Foundation Trust. Birmingham, UK

A-0116 The importance of rehabilitation protocol in Reverse Total Shoulder Arthroplasty after tumor resection: oncologic outcome and functional results

Pietro Ruggieri¹, Andrea Angelini¹, Giulia Trovarelli¹, Elisa Pala¹, Stefano Masiero²
¹Department of Orthopedics and Orthopedic Oncology, University of Padova, Italy ²Department of Physical and Rehabilitation Medicine, University of Padova, Italy

A-0211 An easy-to-use prognostic model for survival in patients with symptomatic long bone metastases

Julie Willeumier¹, Yvette van der Linden¹, Gerco van der Wal¹, Sander Dijkstra¹, on behalf of the OPTIMAL Study Group
¹Leiden University Medical Center, The Netherlands

A-0213 Functional and Oncological Analysis of Distal Radius Giant Cell Tumor (GCT) Resection and Reconstruction: A Multicentric Italian Study

Eleonora Marini¹ Primo Andrea Daolio¹ Giuseppe Bianchi² Andrea Sambri² Domenico Andrea Campanacci³ Filippo Frenos³ Guido Scoccianti³ Raimondo Piana⁴ Nicola Ratto⁴ Stefano Bastoni¹
¹Istituto Ortopedico "Gaetano Pini" Milan, Italy ²Istituto Ortopedico Rizzoli, Bologna, Italy ³AOU Careggi, Florence, Italy ⁴AOU Città della Salute, Turin, Italy

A-0014 Giant cell tumor of the proximal femur has a higher local recurrence rate compared to the other sites after curettage and packing the bone cavity with cement or allografts.

Costantino Errani¹, Shinji Tsukamoto², Giulio Leone¹, Luca Cevolani¹, Giovanni Ciani¹, Piergiuseppe Tanzi¹, Nicola Baldini¹, Davide Donati¹.
¹Istituto Ortopedico Rizzoli, Bologna, Italy. ²Nara Medical University, Nara, Japan.

A-0021 40-year-experience in endoprosthetic reconstruction of proximal humerus: comparison of different options of prostheses and soft tissue reconstructions

Chindanai Hongsaprabhas, Adriana Hernandez-Lopez, Czar L Gaston, Kenan Dehne, Roger M Tillman, Lee M Jeys, Adesegun T Abudu
The Royal Orthopaedic Hospital NHS Foundation Trust, Birmingham, United Kingdom

Pelvis

Friday, April 28, 2017 | 10:00 - 11:30 | Session room

A-0187 Pelvic Ewing Sarcoma – Feasibility of large pelvic tumor resections – Analysis of a collective of 104 patients in a single supra-regional center

Wiebke K. Guder, Jendrik Harges, Georg Gosheger, Markus Nottrott, Arne Streitbürger
University Hospital Muenster, Department of General and Tumor Orthopedics, Muenster, Germany

A-0237 The role and timing of surgery and radiotherapy in Ewing Sarcoma of the pelvis - A multicentric Italian retrospective study

Primo Andrea Daolio¹ Andrea Della Valle¹ Eleonora Marini¹ Maura Massimino² Roberto Luksch² Nadia Puma² Laura Boschetti² Davide Donati³ Carlo Romagnoli³ Domenico Andrea Campanacci⁴ Giovanni Beltrami⁴ Filippo Muratori⁴ Rodolfo Capanna⁵
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A-0287 Computer-Assisted Navigation for Surgery of Iliosacral Bone Sarcomas: What is the Evidence?

Mohamed H. Yakoub, Omer Or, Maksim Vaynrub, Patrick J. Boland, John H. Healey, Nicola Fabbri
Orthopaedic Service, Department of Surgery Memorial Sloan Kettering Cancer Center, New York, United States

A-0034 Survival comparison between pelvic resection and amputation in patients with dedifferentiated chondrosarcomas of the pelvis

Johnathan R. Lex¹ Scott Evans² Jonathan Stevenson² Rob Grimer² Lee Jeys² Michael Perry²
¹University of Birmingham, Birmingham, UK; ²Royal Orthopaedic Hospital, Birmingham, UK

A-0224 Massive allograft reconstruction after pelvic tumor resection: is there still an indication?

Nicola Mondanelli¹, Francesca Totti¹, Davide Matera¹, Francesco Muratori¹, Giovanni Beltrami¹, Domenico Andrea Campanacci¹, Rodolfo Capanna²
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A-0080 The use of a graft jacket technique for hip reconstructions following massive pelvic tumour resections

Cristina Kinsella^{1,2}, Ben Wilkinson^{1,2}, Scott Evans¹, Michael Parry¹, Jonathan Stevenson¹, Lee Jeys¹
¹Royal Orthopaedic Hospital, Birmingham, UK; ²University of Birmingham, UK.

A-0208 Long term follow up of pelvic allograft reconstruction for acetabular tumor resection

Thomas Schubert¹, Tommaso Frisoni², Luca Cevolani², Benedetta Spazzoli², Davide M. Donati².
¹Cliniques universitaires Saint-Luc, Service d'orthopédie et de traumatologie de l'appareil locomoteur, Avenue Hippocrate 10, B-1200 Brussels, Belgium ²Department of Orthopaedic Oncology, University of Bologna, Rizzoli Orthopaedic Institute

A-0284 “Staging, surgical planning and screening made easier”: Use of Whole Body MRI In Sarcoma Patients

Harzem Ozger¹, Natig Valiyev², Bugra Alpan³, Osman Emre Aycan²
¹Istanbul University Istanbul Faculty of Medicine Dept. of Orthopaedics and Traumatology, Istanbul, Turkey; ²Acibadem Maslak Hospital Dept. of Orthopaedics and Traumatology, Istanbul, Turkey; ³Acibadem University School of Medicine Dept. of Orthopaedics and Traumatology, Istanbul, Turkey

A-0032 New technologies in reconstruction of bone defects in children and youth with primary malignant bone tumors - own experiences

Szafrański A., Rychłowska-Pruszyńska M., Pachuta B.
Clinical Department of Oncological Surgery in Children and Youth Institute of Mother and Child, Warsaw, Poland

Campanacci Lecture

Friday, April 28, 2017 | 11:30 - 12:00 | Plenary room

A-0311 New Advances in surgical orthopaedic oncology

Rodolfo Capanna
University of Pisa

Follow-up recurrences II.

Friday, April 28, 2017 | 13:00 - 14:30 | Plenary room

A-0113 Chondrosarcoma of the chest wall: a review of 53 cases from two Institutions

Ulrich Lenze¹, Andrea Angelini², Carolin Knebel¹, Giulia Trovarelli², Elisa Pala², Ruediger von Eisenhart-Rothe¹, Pietro Ruggieri²

¹Department of Orthopedics, Klinikum rechts der Isar, Technical University, Munich, Germany ²Department of Orthopedics and Orthopedic Oncology, University of Padova, Padova, Italy

A-0122 Clinical outcome of adult patients with Ewing sarcoma is similar to pediatric cases: a 11-years retrospective study in the Czech Republic

Dagmar Adamkova Krakorova¹, Iva Zambo², Katerina Kopeckova³, Ladislav Dusek⁴, Tomas Tomas⁵, Pavel Janicek⁵, Stepan Tucek¹, Jana Prausova³, Igor Kiss¹, Michal Mahdal⁵.

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A-0001 Benefit of adjuvant radiotherapy for local control, distant metastasis, and survival outcomes in patients with localized soft tissue sarcoma: Comparative effectiveness analysis of an observational cohort study

Florian Posch¹; Jakob Riedl¹; Lukas Leitner²; Bernadette Liegl-Atzwanger³; Carmen Doeller⁴; Angelika Bezan¹; Michael Stotz¹; Martin Pichler¹; Armin Gerger¹; Marko Bergovec²; Herbert Stoeger¹; Andreas Leithner²; Joanna Szkandera¹

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A-0248 The incidence and prognosis of patients with skip metastases in those with Osteosarcoma and Ewing's Sarcoma

James Barnett, Jakub Jagiello, Panos Gikas, Rob Pollock, Will Aston, Tim Briggs, Asif Saifuddin

Royal National Orthopaedic Hospital, Stanmore, United Kingdom

A-0192 Superficial soft tissue sarcoma description of a series of 1142 patients.

Marie Sunyach, Jean Yves Blay, Martine Delannes, Jean-Michel Coindre, Meeus Pierre, Nicolas Penel, Laurence Moureau Zaboutto, Cramen Lacer, Isabelle Ray Coquard, Cecile Le Pechoux

Centre Léon Bérard Lyon France, institue Gustave Roussy, Paris France, Centre oscar Lambret Lilles France, Centre Val D'aurelle Montpellier France

A-0232 Early and late recurrences in osteosarcoma of the limbs

Guido Scoccianti¹, Giovanni Beltrami¹, Filippo Frenos¹, Angela Tamburini², Andrea Cambiganu¹, Francesco Muratori¹, Domenico Andrea Campanacci¹, Rodolfo Capanna³

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A-0094 Myxoid liposarcoma: local relapse and metastatic pattern. A retrospective study of 43 patients.

Hans Roland Dürr¹, Jessica Rauh¹, Andrea Baur-Melnyk², Thomas Knösel³, Lars Lindner⁴, Falk Roeder^{5,6}, Volkmar Jansson¹, Alexander Klein¹
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A-0133 Clear-Cell SARCOMA – Preliminary results of an EMSOS- & DGOOC-wide follow-up study.

J.Bruns¹, M. Hillmann², M.Dominkus³, T.Kluba⁴, N. Südkamp⁵, M. Panzica⁶, P.O. Tunn⁷, B. Alpan⁸, J.Hardes⁹, Y. Bakhshai¹⁰, E. Goldenitsch¹¹, A. Leithner¹², U. Lenze¹³, M. Rudert¹⁴, C.Gebert¹⁵

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A-0199 FOLLOW UP AND LATE RECURRENCES IN A LARGE PATIENT POPULATION TREATED WITH EXTERNAL BEAM RADIATION THERAPY PLUS BRACHYTHERAPY FOR SOFT TISSUE SARCOMAS

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A-0203 BRACHYTHERAPY PLUS EXTERNAL BEAM RADIATION THERAPY FOR THE TREATMENT OF LATE RECURRENCES IN SOFT TISSUE SARCOMAS: FOLLOW UP AND OUTCOMES

S. Cammelli¹, A. Cortesi^{1,2}, A. Galuppi¹, I. Ammendolia¹, A. L. Angelini³, G. Bianchi⁴, D. M. Donati⁴, G. Ghigi², E. Palmerini⁵, S. Ferrari⁵, M. Gambarotti⁶, A. G. Morganti¹

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Bone graft / Prosthesis

Friday, April 28, 2017 | 13:00 - 14:30 | Session room

A-0167 Is allograft-prosthetic composite reconstruction an appropriate treatment option in patients undergoing limb salvage surgery? A long term follow-up study

P.T.J. Sanders, M.P.A. Bus, G. Simonis, R.J.P. van der Wal, M.A.J. van de Sande, P.D.S. Dijkstra
Leiden University Medical Center, Leiden, The Netherlands

A-0282 Long-term Clinical Outcome of Massive Allograft Reconstructions after Primary Bone Tumor Resection in the Lower Extremity

JF Spierings¹, JI Albergo², MPA Bus¹, MA Ayerza², MAJ van de Sande¹, GL Farfalli², LA Aponte Tinao², PDS Dijkstra¹
¹Leiden University Medical Center, Leiden, The Netherlands ² Italian Hospital of Buenos Aires, Buenos Aires, Argentina

A-0179 Excision, irradiation, reimplantation versus allograft reconstruction following segmental resection of tibial sarcomas: Is a vascularised fibula graft necessary?

Jeys L, Wadkin J, Hall A, Grimer R, Parry M, Evans S, Stevenson JD
Royal Orthopaedic Hospital Birmingham United Kingdom

A-0084 Biologic Intercalary reconstruction after resection of a bone tumour in the lower limb, about 65 cases : what's best for children and adolescent: Vascularized fibula alone, allograft and vascularized fibula or induced membrane ?

de Tienda M¹, Mascard E¹, Glorion C¹, Mary P², Pannier S¹
¹Orthopedic surgery department, University Paris 5, Necker hospital, 75015, Paris, France;²Orthopedic surgery department, Trousseau hospital, 75012, Paris, France.

A-0098 Long Term Follow-up of Allografts Reconstructions After Sarcoma Resection in Children Under 10 Years

Luis A Aponte-Tinco¹, Jose I Albergo¹, Miguel A Ayerza¹, D. Luis Muscolo¹, Federico Milano¹, German L Farfalli¹
¹Hospital Italiano de Buenos Aires

A-0089 Management of Complications of Allograft Reconstruction in Primary Musculoskeletal Tumors: A 25-year institutional experience

Joseph Benevenia, Joseph A. Ippolito, Maximilian Martinez, James Nuttall, Kathleen S. Beebe, Francis R. Patterson
Department of Orthopaedics, Rutgers New Jersey Medical School

A-0120 Single Institution Experience a Combine Auto-Allo-Ceramic Grafting for Non Aggressive Bone Lesions. 20 Years follow-up.

Vyrva Oleg, Shevchenko Igor, Vyrva Oleksandra, Baev Vitaly
Sytenko Institute of Spine and Joint Pathology, Kharkiv, Ukraine

A-0090 A single institution experience of management of diaphyseal defects following resection of primary and metastatic musculoskeletal tumors with Osteobridge intercalary endoprosthesis

Joseph Benevenia, Joseph A. Ippolito, James Nuttall, Kathleen S. Beebe, Francis R. Patterson
Department of Orthopaedics, Rutgers New Jersey Medical School

A-0157 Functional Outcome following Extra Corporeal Radiation Therapy for Lower Limb Tumors

Shah Alam Khan, Shishir Rastogi, D.N. Sharma, Sameer Bakhshi, Abhinav Aggarwal
All India Institute of Medical Sciences, New Delhi, India

A-0023 Joint Preservation Limb Sparing Surgery in Children with Malignant Bone Tumors about the Knee: The Biological Solution

Samuel Kenan, Shachar Kenan
Northwell Health Hofstra School of Medicine, Long Island Jewish hospital, New Hyde Park, NY, USA

A-0221 Can you predict the risk of local recurrence – and if so might it help plan a follow up policy?

Robert Grimer Lee Jeys Michael Parry
Royal Orthopaedic Hospital, Birmingham

A-0268 Outcome after bone resection and endoprosthetic reconstruction in soft tissue sarcoma of the extremities. An extremely rare indication.

Markus Nottrott, Greta Kröger, Georg Gosheger, Wiebke Guder, Arne Streitbürger, Jendrik Harges,
Department of Orthopaedics and Tumororthopaedics, University Hospital Münster, Münster, Germany

Bone sarcomas

Friday, April 28, 2017 | 15:00 - 16:30 | Plenary room

A-0102 The role of surgical margins in local recurrence free survival and local recurrence in disease specific survival in chondrosarcoma

Lee M Jeys¹, Jonathan Stevenson¹, Michael C Parry¹, Vaiyapuri Sumathi¹, Minna K Laitinen²

1. The Royal Orthopaedic Hospital NHS Foundation Trust, Bristol Road South, Birmingham, UK 2. Department of Orthopaedics, Unit of Musculoskeletal Surgery, Tampere University Hospital, Tampere, Finland

A-0101 The role of grade in local recurrence and in the disease specific survival in chondrosarcomas

Michael C Parry¹, Minna K Laitinen², Jonathan Stevenson¹, Vaiyapuri Sumathi¹, Lee M Jeys¹

1. The Royal Orthopaedic Hospital NHS Foundation Trust, Bristol Road South, Birmingham, UK 2. Department of Orthopaedics, Unit of Musculoskeletal Surgery, Tampere University Hospital, Tampere, Finland

A-0042 Consultation Delay and Clinical Outcomes in Adolescent and Young Adult Population of High-grade Osteosarcoma

Hiroshi Urakawa¹, Eisuke Arai¹, Kunihiro Ikuta¹, Shunsuke Hamada¹, Naoki Ishiguro¹, Yoshihiro Nishida¹

¹Nagoya University Graduate School and School of Medicine, Nagoya, Japan

A-0231 Outcome of Newly Diagnosed Osteosarcoma with pulmonary metastasis in Children and Adolescent

Sonia Ahmed¹, Maged El Shafeiy², Gehad Taha³, Ahmed El Ghoneimy⁴, Hala Taha⁶, Iman Zaky⁷, Magdy El Sherbiny⁵, Omneya Hassanain⁸, Nehal Kamal⁸, Manal A. Zamzam¹

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A-0053 Postoperative chemotherapy for pelvic sarcomas: always "as planned"?

Thierry Rod Fleury^{1,2}, Camille Tlemsani², David Biau²

¹HUG, Geneva, Switzerland; ²CHU Cochin, Paris, France

A-0110 Intra-operative RFA is a safe and effective treatment for primary bone tumors and metastasis.

PC Jutte, JJW Ploegmakers

University Medical Center Groningen, University of Groningen, Groningen, Netherlands

A-0025 Surgical treatment of unicameral bone cysts with drainage screws: Comparison with alternative treatment methods

Blaz Mavcic¹, Vinay Saraph², Magdalena M. Gilg², Marko Bergovec², Janez Breclj¹, Andreas Leithner²

¹University Medical Centre Ljubljana, Slovenia; ²Medical University Graz, Austria

A-0075 Long Term Follow-Up Of Eosinophilic Granulomas Of The Axial And Appendicular Skeleton Managed Only with Biopsy

Mert Osman Topkar, Evrim Sirin, Abbas Tokyay, Tolga Onay, Bulent Erol

Marmara University Hospital

Closing and awards ceremony

Friday, April 28, 2017 | 16:30 - 17:00 | Plenary room