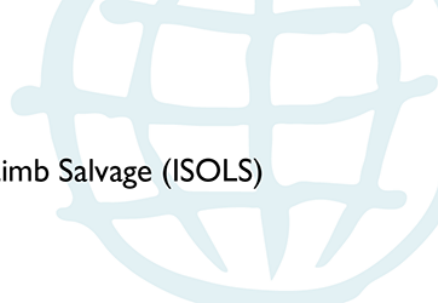


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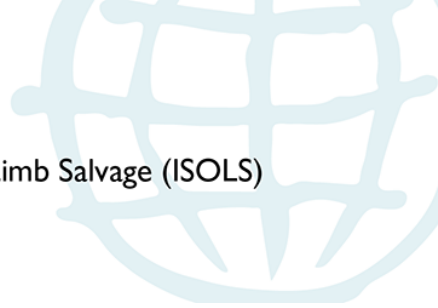
e-POSTER CATALOGUE

- PP01 Efficacy of multi-kinase inhibitors in osteosarcoma treatment**
Takashi Higuchi¹, Norio Yamamoto², Katsuhiko Hayashi², Akihiko Takeuchi², Shinji Miwa², Kentaro Igarashi², Yuta Taniguchi², Sei Morinaga², Yohei Asano², Hiroyuki Tsuchiya²
¹Kanazawa Red Cross Hospital, Department of Orthopaedic Surgery, Graduate School of Medical Sciences, Kanazawa University, Japan, ²Department of Orthopaedic Surgery, Graduate School of Medical Sciences, Kanazawa University, Japan
- PP02 In vitro and in vivo experiment of bone regeneration after tumor resection using autologous adipose-derived stem cell spheroid complex**
Katsuhiko Hayashi¹, Norio Yamamoto, Akihiko Takeuchi, Shinji Miwa, Kentaro Igarashi, Yuta Taniguchi, Sei Morinaga, Yohei Asano, Hiroyuki Tsuchiya
Kanazawa University, Japan
- PP03 Tumor-targeting Salmonella typhimurium A1-R is an effective general therapeutic for undifferentiated/unclassified soft tissue sarcoma (USTS) patient-derived orthotopic xenograft(PDOX) nude-mouse model**
Kentaro Igarashi¹, Norio Yamamoto¹, Katsuhiko Hayashi¹, Akihiko Takeuchi¹, Shinji Miwa¹, Takashi Higuchi¹, Yuta Taniguchi¹, Sei Morinaga¹, Yohei Asano¹, Robert M. Hoffman², Hiroyuki Tsuchiya¹
¹Orthopaedic Surgery, Kanazawa University, Kanazawa, Japan, ²Department of Surgery, University of California San Diego, San Diego, USA
- PP04 Patterns of sensitivity to a panel of drugs are highly individualized for undifferentiated/unclassified soft tissue sarcoma (USTS) in patient-derived orthotopic xenograft (PDOX) nude-mouse models**
Kentaro Igarashi¹, Norio Yamamoto¹, Katsuhiko Hayashi¹, Akihiko Takeuchi¹, Shinji Miwa¹, Takashi Higuchi¹, Yuta Taniguchi¹, Sei Morinaga¹, Yohei Asano¹, Robert M. Hoffman², Hiroyuki Tsuchiya¹
¹Department of Orthopaedic Surgery, Kanazawa University, Kanazawa, Japan, ²Department of Surgery, University of California San Diego, San Diego, USA
- PP05 Retrospective analysis of 18F-fluorodeoxyglucose positron emission tomography/computed tomography for soft tissue tumors**
Hironichi Oshiro¹, Yasunori Tome, Yuichi Tsuha, Yusuke Aoki, Kohei Mizuta, Yoshiro Yoshikawa, Kotaro Nishida
Graduate School of Medicine, University of the Ryukyus, Nishihara-cho, Nakagami-gun, Okinawa, Japan
- PP06 M6A demethylase FTO-mediated downregulation of DACT1 mRNA stability promotes Wnt signaling to facilitate osteosarcoma progression**
Dongming Lv, Xianbiao Xie
The First Affiliated Hospital of Sun-Yat Sen University, Guangzhou, China
- PP07 Sarcoma Biobank Innovation Consortium for Biomedical and Healthcare Research**
June Hyuk Kim¹, Hyun Guy Kang¹, Jong Woong Park¹, Su Ji Kim¹, Da Young Kim¹, Chong Woo You², Seog Yun Park², Kyeong Wook Kim³, Hye Jin Yoo⁴, Eun Young Lee⁴, Yong Nyun Kim⁵, Ji Yeong Sung⁵, Kui Son Choi⁶, Phillip Park⁶, Yeon Hee Baek⁶, Jung Ryul Kim⁷, Young Jae Moon⁷, Min Wook Joo⁸, Sung Wook Seo⁹, Jae Hwan Jung¹⁰, Jinwoo Ahn¹⁰, Seung Hwan Hong¹¹, Su Heon Kim¹¹, Hyeon Su Lee¹¹, Il Kyu Han¹², Kyoung Min Kim¹³
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- PP08 Inhibition of SIRT6 potentiates the anti-tumor effect of doxorubicin through suppression of the DNA damage repair pathway in osteosarcoma**
Jung Ryul Kim¹, Kyu Yun Jang
Jeonbuk National University Hospital, Jeonju, South Korea



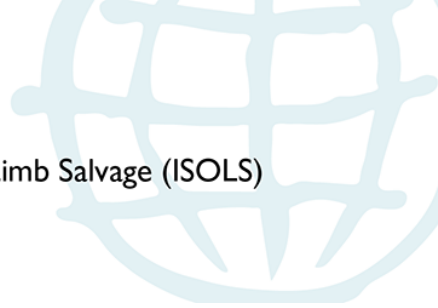
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- PP09 Changes in the transcriptional regulatory network of telomere maintenance mechanisms for the immortalization of MPNST**
Seung Hyun Kim¹, **Yong Jun Suk**¹, Jungwoo Lee², Eunji Choi², HyoJu Kim², Young-Joon Kim²
¹Severance Hospital, Yonsei University College of Medicine, Seoul, South Korea, ²Interdisciplinary Program of Integrated OMICS for Biomedical Science, The Graduate School, Yonsei University, Seoul, South Korea
- PP10 Clinical outcome in MDM2-amplified soft tissue peripheral sarcomas**
Eisuke Kobayashi, Yu Toda, Tetsuya Sekita, Akira Kawai
National Cancer Center Hospital, Tokyo, Japan
- PP11 Impact of the pretreatment neutrophil/lymphocyte ratio as a prognostic factor in conventional chondrosarcoma**
Miguel Angel Clara-Altamirano¹, Dorian Y. Garcia-Ortega¹, Alethia Alvarez-Cano¹, Veronica Villavicencio-Valencia¹, Amelia Rebeca De Los Santos-Quintanilla², Stephanie Velazquez-Rodriguez¹, Anderson Ruben Lizcano-Suarez¹
¹National Cancer Institute, Mexico City, Mexico, ²Anahuac University, Naucalpan de Juarez, Mexico
- PP12 Cytogenetic results of multiple myeloma patients as prognostic factor for pathologic fractures**
Seung-han Shin¹, Young-Seol Byun¹, Min-Wook Joo², Yang-Guk Chung¹
¹Department of Orthopedic Surgery, The Catholic University of Korea, Seoul St. Mary's Hospital, Seoul, South Korea, ²Department of Orthopedic Surgery, The Catholic University of Korea, St. Vincent's Hospital, Suwon-si, Gyeonggi-do, South Korea
- PP13 Antibacterial effect and biological reaction of calcium phosphate cement impregnated with iodine**
Sei Morinaga, Norio Yamamoto, Katsuhiko Hayashi, Akihiko Takeuchi, Shinji Miwa, Kentaro Igarashi, Yuta Taniguchi, Yohei Asano, Hiroyuki Tsuchiya
Kanazawa University, Ishikawa, Japan
- PP14 Novel Dormancy Mechanism of Castration Resistance in Bone Metastatic Prostate Cancer Organoids**
Anna Kulidjian, Sanghee Lee, Theresa R. Mendoza, Michelle T. Muldong, Danielle N. Burner, Christina C. N. Wu, Terry Gaasterland, Christina A. M. Jamieson
Orthopedic Tumor Surgery, Joint Reconstruction and Limb Preservation, Scripps MD Anderson Cancer Center, La Jolla, United States
- PP15 Analysis of the structure and bone formation promoting effect of membrane tissue formed around frozen bone: A study in a rat model**
Yohei Asano, Norio Yamamoto, Katsuhiko Hayashi, Akihiko Takeuchi, Shinji Miwa, Kentaro Igarashi, Yuta Taniguchi, Sei Morinaga, Hiroyuki Tsuchiya
Kanazawa University Graduate School of Medical Sciences, Kanazawa, Japan
- PP16 Osteosarcoma-Derived Small Extracellular Vesicles Enhance Tumor Metastasis and Suppress Osteoclastogenesis by miR-146a-5p**
Yoshihiro Araki, Norio Yamamoto, Katsuhiko Hayashi, Akihiko Takeuchi, Shinji Miwa, Kentaro Igarashi, Takashi Higuchi, Kesaku Abe, Yuta Taniguchi, Hirotaka Yonezawa, Sei Morinaga, Yohei Asano, Rikinari Hanayama, Hiroyuki Tsuchiya
Kanazawa University Hospital, Kanazawa City, Japan
- PP17 Pleomorphic Liposarcoma of Femur: A Rare Soft Tissue Sarcoma Metastasized to the Bone—Case Report and Review of Literature**
Thanate Poosiripinyo¹, Thanapon Chobpenthai², Taweetchok Wisanuyotin³, Winai Sirichativapee³
¹Khon Kaen Hospital, Khon Kaen, Thailand, ²Chulabhorn Royal Academy, Princess Srisavangavadhana College of Medicine, Bangkok, Thailand, ³Department of Orthopaedics, Faculty of Medicine, Khon Kaen University, Khon Kaen, Thailand
- PP18 Treatment of Giant Cell Tumors of the Distal Radius: A Long-Term Patient Reported Outcomes Study**
Doga Kuruoglu, Marco Rizzo, Steven Moran, **Matthew Houdek**
Mayo Clinic, Rochester, United States
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Divesh Jalan¹, Dharmendra Kumar Singh², Geetika Khanna³, Nishith Kumar², Ashish Rustagi¹, Rajni Prasad³
¹Central Institute of Orthopaedics, Vardhman Mahavir Medical College & Safdarjung Hospital, New Delhi, India, ²Department of Radiodiagnosis, Vardhman Mahavir Medical College & Safdarjung Hospital, New Delhi, India, ³Department of Pathology, CIO, Vardhman Mahavir Medical College & Safdarjung Hospital, New Delhi, India



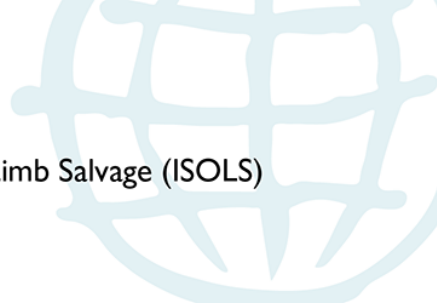
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- PP20 Reconstruction of bone defect after tumor resection by frozen tumor-bearing bone**
Toshiharu Shirai^{1,2}, Hiroyuki Tsuchiya², Ryu Terauchi¹, Seiji Shimomura¹, Kenji Takahashi¹
¹Kyoto Prefectural University of Medicine, Kyoto, Japan, ²Kanazawa University, Kanazawa, Japan
- PP21 Surveillance strategies for bone tumors: Survey of the Italian Musculoskeletal Tumor Society**
Fabio Luca Giardina¹, Tommaso Frisoni², Barbara Rossi³, Pietro Pellegrino⁴, Lorenzo Andreani⁵, Elisa Pala⁶, Flavio Fazioli⁷, **Domenico Andrea Campanacci⁸**, Sabrina Vari³, Raimondo Piana⁴, Davide Maria Donati², Rodolfo Capanna⁵, Pietro Ruggieri⁶, Primo Andrea Daolio¹
¹ASST Gaetano Pini - Cto, Milano, Italy, ²IRCCS Istituto Ortopedico Rizzoli, Bologna, Italy, ³IRCCS Istituto Nazionale Tumori Regina Elena, Roma, Italy, ⁴AOU Città della Salute e della Scienza di Torino, Torino, Italy, ⁵Azienda Ospedaliera Università Pisana - Cisanello, Pisa, Italy, ⁶Università di Padova, Clinica Ortopedica e Traumatologica ed Oncologia Ortopedica, Padova, Italy, ⁷Istituto Nazionale Tumori IRCCS "Fondazione G. Pascale", Napoli, Italy, ⁸AOU Careggi, Firenze, Italy
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Chung Ming Chan^{1,2}, Kumaran Rasappan¹, Robert Pho^{1,2}, Mark Puhaindran^{1,2}
¹Division of Musculoskeletal Oncology, Department of Orthopaedic Surgery, National University Hospital, Singapore, Singapore, ²Department of Hand and Reconstructive Microsurgery, National University Hospital, Singapore
- PP23 Biological reconstruction for distal lower leg tumor**
Yuichi Ichikawa¹, Jun Nishida¹, Yoshikuni Mimata², Takanori Hatanaka¹, Hanako Tsuji¹, Kojiro Yoshikawa¹, Takashi Koyama¹, Kengo Yamamoto¹
¹Tokyo Medical Univ., Shinjuku, Japan, ²Iwate Medical University, Morioka, Japan
- PP24 Long Term Outcomes of Ewing Sarcoma of the Foot and Ankle**
Alexandra Arguello, Mikaela Sullivan, Steven Robinson, Brittany Siontis, Peter Rose, Matthew Houdek
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Bhim Shreemal
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Kevin Döring, Paul Apelt, **Philipp Funovics**, Joannis Panotopoulos, Reinhard Windhager, Gerhard Hobusch
Department of Orthopedics and Trauma Surgery, Medical University of Vienna, Vienna, Austria
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National and Kapodistrian University of Athens, Athens, Greece



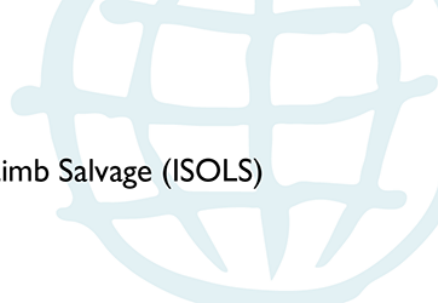
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João Paulo Freitas, José Casanova
Centro Hospitalar E Universitário De Coimbra, Coimbra, Portugal
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Department of Orthopedic Surgery, Graduate School of Medical Science, Kanazawa University, Japan
- PP34 Synchronous Multicentric Giant Cell Tumor of Bone with Multiple Lung Metastases: A Case Report**
Yasuo Yazawa¹, Jungo Imanishi⁴, Tomoaki Torigoe¹, Atsuko Watanabe², Atsuhiko Ohta², Ryuhei Tanaka², Masanori Yasuoda³
¹Department of Orthopaedic Oncology and Surgery, Saitama Medical University International Medical Center, Hidaka, Japan, ²Department of Pediatric Hematology and Oncology, Saitama Medical University International Medical Center, Hidaka, Japan, ³Department of Pathology, Saitama Medical University International Medical Center, Hidaka, Japan, ⁴Department of Orthopaedic Surgery, Teikyo University School of Medicine, Itabashi, Japan
- PP35 The influence of muscle loss after chemotherapy for malignant bone and soft tissue tumors**
Ryuta Iwanaga¹, Atsushi Mihara¹, Takashi Sakai¹, Keiichi Muramatsu², Koichiro Ihara³
¹Department of Orthopaedic surgery, Yamaguchi University Graduate School of Medicine, Ube, Japan, ²Department of Orthopedic surgery, Nagato General Hospital, Nagato, Japan, ³Department of Orthopedic surgery, Kanmon Medical Center, Shimonoseki, Japan
- PP36 A traumatic intermuscular hematoma mimicking a soft tissue tumor**
Yoshihiro Araki, Takashi Higuchi, Norio Yamamoto, Hiroyuki Tsuchiya
Kanazawa University Hospital, Kanazawa City, Japan
- PP37 Soft tissue metastasis of carcinoma in 21 cases diagnosed at the department of orthopaedic surgery**
Sei Morinaga, Norio Yamamoto, Katsuhiko Hayashi, Akihiko Takeuchi, Shinji Miwa, Kentaro Igarashi, Yuta Taniguchi, Yohei Asano, Hiroyuki Tsuchiya
Dept. of Orthopaedic Surgery, Kanazawa Univ., Kanazawa, Japan
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Yohei Asano, Norio Yamamoto, Katsuhiko Hayashi, Akihiko Takeuchi, Shinji Miwa, Kentaro Igarashi, Yuta Taniguchi, Sei Morinaga, Hiroyuki Tsuchiya
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Birgit Lohberger¹, Dietmar Glänzer¹, Sylvia Kerschbaum-Gruber^{2,3}, Andreas Leithner¹, Dietmar Georg^{2,3}
¹Department of Orthopedics and Trauma, Medical University Graz, Graz, Austria, ²Department of Radiation Oncology, Medical University Vienna, Vienna, Austria, ³MedAustron Ion Therapy Center, Austria
- PP42 Advanced abdominal wall desmoid tumor successfully treated with cryoablation**
Tsukasa Mizuno¹, Michiro Susa¹, Ryuji Nemoto¹, Keisuke Horiuchi¹, Yousuke Suyama², Hiroshi Shinmoto², Tomoaki Torigoe³, Kazuhiro Chiba¹
¹Department of Orthopaedic Surgery, National Defense Medical College, Tokorozawa, Japan, ²Department of Radiology, National Defense Medical College, Tokorozawa, Japan, ³Department of Bone and Soft Tissue Oncology and Orthopedics, Saitama Medical University International Medical Center, Hidaka, Japan



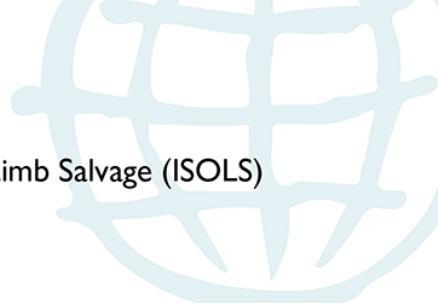
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- PP43 Tumor Necrosis Following Multi-Modality Neoadjuvant Therapy for Sarcoma: A Single Institution Series**
Crystal Seldon¹, Gautam Shrivastava¹, Shelia Conway², Juan Pretell², Laura Freedman¹, Aaron Wolfson¹, Wei Zhao³, Andrew Rosenberg⁴, Jonathan Trent⁵, Raphael Yechieli¹, Amit Jethanandani¹
¹Department of Radiation Oncology, University of Miami Miller School of Medicine, Sylvester Comprehensive Cancer Center, Miami, United States, ²Department of Orthopedic Surgery, University of Miami Miller School of Medicine, Sylvester Comprehensive Cancer Center, Miami, United States, ³Department of Statistics, University of Miami Miller School of Medicine, Sylvester Comprehensive Cancer Center, Miami, United States, ⁴Department of Pathology, University of Miami Miller School of Medicine, Sylvester Comprehensive Cancer Center, Miami, United States, ⁵Department of Hematology Oncology, University of Miami Miller School of Medicine, Sylvester Comprehensive Cancer Center, Miami, United States
- PP44 CivaSheet® Use for Soft Tissue Sarcoma: A Single Institution Experience**
Amit Jethanandani¹, Crystal Seldon¹, Julie Grossman², Gautam Shrivastava¹, Melanie Fernandez¹, William Jin¹, Shelia Conway³, Andrew Rosenberg⁴, Alan Livingstone², Dido Franceschi², Emily Jonczak⁵, Jonathan Trent⁵, Ty Subhawong⁶, Matthew Studenski¹, Raphael Yechieli¹
¹Department of Radiation Oncology, University of Miami Miller School of Medicine, Sylvester Comprehensive Cancer Center, Miami, United States, ²Department of Surgical Oncology, University of Miami Miller School of Medicine, Sylvester Comprehensive Cancer Center, Miami, United States, ³Department of Orthopedic Surgery, University of Miami Miller School of Medicine, Sylvester Comprehensive Cancer Center, Miami, United States, ⁴Department of Pathology, University of Miami Miller School of Medicine, Sylvester Comprehensive Cancer Center, Miami, United States, ⁵Department of Hematology Oncology, University of Miami Miller School of Medicine, Sylvester Comprehensive Cancer Center, Miami, United States, ⁶Department of Radiology, University of Miami Miller School of Medicine, Sylvester Comprehensive Cancer Center, Miami, United States
- PP45 Hemipelvectomy with personalized surgical guide without navigation**
Daniel Salgado Martínez
Casr/redsallud, Santiago, Chile
- PP46 Navigation and 3D Printing in Traumatology and Orthopedics: Comparative cadaveric study of the accuracy obtained by various registration methods**
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Casr/redsallud, La Florida, Chile
- PP47 Resection and reconstruction navigated with custom implant a chondrosarcoma of the pelvis. Report of a case.**
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- PP48 Tumor resection with cut guide to measure Recurrent distal femur chondrosarcoma.**
Daniel Salgado Martínez
Casr/redsallud, Santiago, Chile
- PP49 A preliminary Comparison of CT-guided Navigation-assisted Surgery versus conventional surgical Treatment of Osteoid Osteoma in the Spine**
Gerhard Hobusch, Jürgen Alphonsus, **Philipp Theodor Funovics**, Joannis Panotopoulos, Reinhard Windhager
Medical University of Vienna, Vienna, Austria
- PP50 Clinical outcomes of extended intralesional curettage with cementation without implant augmentation in non-fracture giant cell tumor of bone around the knee**
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Department of orthopaedics, Khon Kaen Hospital, Khon Kaen, Thailand
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Khon Kaen Hospital, Khon Kaen, Thailand
- PP52 Frozen Section Margin Assessment in Oncology Orthopedics**
Pablo Stoppiello¹, Leticia Gaiero¹, Gottardo Bianchi¹, Nicolas Casales¹, **Claudio Silveri¹**, Ana Cecilia Belzarena²
¹Instituto Nacional de Ortopedia y Traumatología, Montevideo, Uruguay, ²Miami Cancer Institute, United States



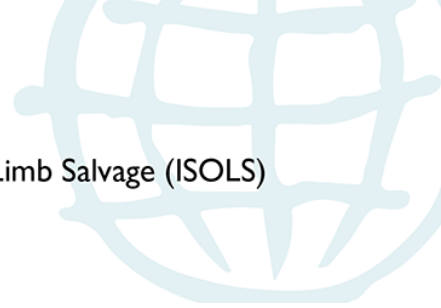
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- PP53 Treatment of Juvenile Solitary Bone Cyst using Cannulated Cancellous Screw**
Michiro Susa¹, Akira Yoshiyama², Tsukasa Mizuno¹, Tomoki Kasahara³, Naofumi Asano³, Robert Nakayama³, Keisuke Horiuchi¹, Hideo Morioka², Kazuhiro Chiba¹
¹National Defense Medical College, Tokorozawa, Japan, ²National Hospital Organization Tokyo Medical Center, Meguro, Japan, ³Keio University School of Medicine, Shinjuku, Japan
- PP54 Availability of PET-CT for the diagnosis of the soft tissue tumor through US-guided biopsy**
Jeung Il Kim¹, In Sook Lee², You Seon Song², Kyung Un Choi³, So Hak Chung⁴, Seok Jin Jung¹
¹Department of orthopedic surgery, Pusan National University School of medicine, Pusan, South Korea, ²Department of Radiology, Pusan National University School of medicine, Pusan, South Korea, ³Department of Pathology, Pusan National University School of medicine, Pusan, South Korea, ⁴Department of Orthopaedic Surgery, Kosin University Gospel Hospital, South Korea
- PP55 Rapidly Acquired Valgus Deformity After Resection of Osteochondroma: A Report of Two Cases**
Ana Cecilia Belzarena¹, David Alcolombre², John S. Blanco²
¹Miami Cancer Institute, United States, ²Hospital for Special Surgery, United States
- PP56 Intraosseous tophaceous gout of patellar presenting with pathologic fracture; a case report and review of the literature**
Pichaya Thanindratan^{1,2}, Jagkra Masvanich², Chullatham Prathumsuwan²
¹Department of Orthopedic Surgery, Chulabhorn Hospital, Chulabhorn Royal Academy, Bangkok, Thailand, ²Orthopedic Department, Bangkok Sanamchan Hospital, Nakorn Pathom, Thailand
- PP57 Combination of Pazopanib and Surgery for the Management of Desmoid-type Fibromatosis**
Chiao Yee Lim¹, Maizatul Jamny Mahmood², Muthukkumaran A/L Thiagarajan³, Noraini Binti Mohd Dusa⁴, Suryasmi Duski¹
¹Department of Orthopaedic and Traumatology, Hospital Kuala Lumpur, Kuala Lumpur, Malaysia, ²Department of Radiology, Hospital Kuala Lumpur, Kuala Lumpur, Malaysia, ³Department of Radiotherapy and Oncology, Hospital Kuala Lumpur, Kuala Lumpur, Malaysia, ⁴Department of Pathology, Hospital Kuala Lumpur, Kuala Lumpur, Malaysia
- PP58 Treatment Outcomes of Patients with Scapular Ewing Sarcoma**
John Blade Hargiss, Steven Robinson, Brittany Siontis, **Peter Rose**, Matthew Houdek
Mayo Clinic, Rochester, United States
- PP59 Computed tomography-guided percutaneous curettage using hybrid operating room for osteoid osteoma**
Yasunori Tome, Hiromichi Oshiro, Yuichi Tsuha, Yusuke Aoki, Kohei Mizuta, Kotaro Nishida
Department of Orthopedic Surgery, Graduate School of Medicine, University of the Ryukyus, Nishihara, Japan
- PP60 Work ability and physical activity after major bone sarcoma resection and reconstruction with tumour prosthesis of the lower extremities. A cross-sectional study**
Linda Fernandes¹, Allan Villadsen², Christina Holm², Michala Sørensen², Mette K Zebis¹, Lars L. Andersen³, **Micheal Mørk Petersen^{2,4}**
¹Department of Physiotherapy, University College Copenhagen, Copenhagen, Denmark, ²Musculoskeletal Tumour Section, Department of Orthopaedic Surgery, University Hospital Rigshospitalet, Copenhagen, Denmark, ³National Research Centre for the Working Environment, Copenhagen, Denmark, ⁴Department of Clinical Medicine, Faculty of Health and Medical Sciences, University of Copenhagen, Copenhagen, Denmark
- PP61 Useful reconstruction of the extensor mechanism supplemental with an iliotibial tendon after mega-prosthetic replacement of the proximal tibia**
Kunihiro Ikuta¹, Yoshihiro Nishida², Satoshi Tsukushi³, Tomohisa Sakai¹, Hiroshi Koike¹, Kan Ito¹, Shiro Imagama¹
¹Orthopedic Surgery, Nagoya University Hospital, Nagoya, Japan, ²Rehabilitation, Nagoya University Hospital, Nagoya, Japan, ³Orthopedic Surgery, Aichi Cancer Center Hospital, Nagoya, Japan
- PP62 Surgical management of pelvic chondrosarcoma: a case report**
Juste Ramonaite², **Vetra Markeviciute^{1,2}**, Mindaugas Stravinskas¹
¹Hospital of Lithuanian University of Health Sciences, Kaunas Clinic, Department of Orthopaedics and Traumatology, Kaunas, Lithuania, ²Lithuanian University of Health Sciences, Kaunas, Lithuania
- PP63 Spectrum of primary bone tumors of the talus – A single Institutional experience in last 4 years**
Divesh Jalan¹, Dharmendra Kumar Singh², Geetika Khanna³, Ashish Rustagi¹, Nishith Kumar², Rajni Prasad³, Loveneesh G Krishna¹
¹Central Institute of Orthopaedics, Vardhman Mahavir Medical College & Safdarjung Hospital, New Delhi, India, ²Department of Radiodiagnosis, Vardhman Mahavir Medical College & Safdarjung Hospital, New Delhi, India, ³Department of Pathology, CIO, Vardhman Mahavir Medical College, New Delhi, India



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- PP64 Clinical appearance of giant cell tumor of bone with denosumab treatment**
Takanori Hatanaka¹, Jun Nishida¹, Yoshikuni Mimata², Yuichi Ichikawa¹, Hanako Tsuji¹, Taro Nagai¹, Kengo Yamamoto¹
¹Tokyo Medical University, Shinjuku, Japan, ²Iwate Medical University, Yahaba, Japan
- PP65 Extremity soft tissue sarcomas in a series of 18 patients treated at a single institution: Short-term follow-up**
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- PP66 Duchenne muscular dystrophy and rhabdomyosarcoma; association or coincidence?**
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- PP67 Subtrochanteric metastasis with pathological fracture: the comparative study of the surgical outcome between the long Dynamic hip screw and long Gamma-3 nail**
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- PP68 Dual Plating in Metastatic Distal Humerus Benefits May Outweigh the Risks**
David Joyce, Will West, Caroline Gerhardt, Michael Collier, Nora Watson
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Paul Gagnet, Rachel Bergman, Sybil Biermann, Geoffrey Siegel
University of Michigan, Ann Arbor, United States
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Gregory Lachaud, Danielle Chun, Charles Gibbs, Mark Scarborough, Andre Spiguel
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- PP71 Prognostic factors in spine metastatic bone disease on a Chilean population**
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- PP72 Popliteal extraskeletal chondrosarcoma as a second primary tumor.**
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- PP73 Surgical Treatment of Pathologic Fractures in Patients with Multiple Myeloma**
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- PP74 Metastasis of an adenocarcinoma of the prostate in the index finger**
Kojiro Yoshikawa, Jun Nishida, Yuichi Ichikawa, Hanako Tsuji, Kengo Yamamoto
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- PP75 Pathological and clinical evaluation of radiofrequency ablation in the treatment of spinal metastasis**
Xinxin Zhang, Songfeng Xu, Libin Xu, Zhenguo Zhao, Ting Liu, Shengji Yu
National Cancer Center/National Clinical Research Center for Cancer, Cancer Hospital, Chinese Academy of Medical Sciences, Beijing, China



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- PP76 Prognostic factors in soft tissue sarcoma on a Chilean population**
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- PP78 Treatment Trends of Benign Bone Lesions in Suburban New York**
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- PP79 Limb salvage surgery using 3D-printed custom made implants after partial scapulectomy**
Dimitra Melissaridou, Panayiotis Gavriil, Ioannis Trikoupis, Vasileios Apostolopoulos, Vasileios Kontogeorgakos, Olga Savvidou, Panayiotis Papagelopoulos
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