

Abs.-No	First author	Title	Author's Affiliation	poster time	No. of poster
1235284	Jinhui Ma	Local Administration of Bisphosphonate-soaked Hydroxyapatite for the Treatment of Osteonecrosis of the Femoral Head in Rabbit	China-Japan Friendship Hospital	13:30-14:30	A-1
1235348	Donghai Li	Porous lithium-doped hydroxyapatite scaffold seeded with hypoxia-preconditioned bone-marrow mesenchymal stem cells for bone-tissue regeneration	West China Hospital of Sichuan University	13:30-14:30	A-2
1235359	Xiaowei Xie	Icariin: A promising osteoinductive compound for repairing bone defect and osteonecrosis.	West China Hospital of Sichuan University	13:30-14:30	A-3
1247184	Yupeng Liu	Establishment of rabbit model of steroid induced osteonecrosis of the femoral head	Affiliated Zhongshan Hospital of Dalian University	13:30-14:30	A-4
1234056	Byung-Ho Yoon	No Differences in the Efficacy among Various Core Decompression Modalities and Non-operative Treatment: A Network Meta-analysis	Inje University College of Medicine, Seoul Paik Hospital, Seoul, Korea	13:30-14:30	A-5
1218614	Guoju Hong	Analysis of aberrantly expressed of freely circulating miRNAs for early diagnosis of patients with alcohol-induced osteonecrosis of the femoral head	University of Alberta	13:30-14:30	A-6
1224979	Xiaojun Chen	Polydatin Promotes the Osteogenic Differentiation of Human Bone Mesenchymal Stem Cells by activating the BMP2-Wnt/ β -catenin Signaling Pathway	Guangzhou University of Chinese Medicine	13:30-14:30	A-7
1224984	Xiaojun Chen	Association of reduced sclerostin expression with collapse process in patients with osteonecrosis of the femoral head	Guangzhou University of Chinese Medicine	13:30-14:30	A-8
1231037	Di Qin	Angiographic score system of DSA for early and middle stage of osteonecrosis of the femoral head (ARCO 0~ II)	Third Hospital of Hebei Medical University	13:30-14:30	A-9

1232762	Xiaoming He	The correlation between the serum resistin and the collapse process of femoral head necrosis	First Affiliated Hospital of Guangzhou University of Chinese Medicine	13:30-14:30	A-10
1233398	Tetsuro Tani	Are there any geographic differences of osteonecrosis of the femoral head in Japan? Analysis of data from nationwide epidemiologic survey in comparison to external national data	Osaka University	13:30-14:30	A-11
1232906	Shuidi Gong	The global status of steroid-induced osteonecrosis and association of level of bone turnover marker with progression of steroid-induced osteonecrosis of femoral head	First Affiliated Hospital of Guangzhou University of Chinese Medicine	13:30-14:30	A-12
1234255	Xing Qiu	A novel model of traumatic femoral head necrosis in rats developed by a microsurgical technique	Affiliated Zhongshan Hospital of Dalian University	13:30-14:30	A-13
1234317	Yingshan Shen	Polydatin Improve Osteogenic Differentiation of Human Bone Mesenchymal Stem Cells by Increasing TAZ Expression via BMP-Wnt/ β -catenin Signaling Pathway	First Clinical Medical College, Guangzhou University of Chinese Medicine, Guangzhou, P.R.China.	13:30-14:30	A-14
1235351	Donghai Li	Enhanced bone defect repairing effects in glucocorticoid-induced osteonecrosis of the femoral head using a porous nano-lithium-hydroxyapatite/gelatin microsphere/erythropoietin composite scaffold.	West China Hospital of Sichuan University	13:30-14:30	A-15
1235352	Donghai Li	Efficacy of bisphosphonates in the treatment of femoral head osteonecrosis: A PRISMA-compliant meta-analysis of animal studies and clinical trials.	West China Hospital of Sichuan University	13:30-14:30	A-16
1235349	Donghai Li	Erythropoietin Enhances Bone Repair Effects via the Hypoxia-Inducible Factor Signal Pathway in Glucocorticoid-Induced Osteonecrosis of the Femoral Head.	West China Hospital of Sichuan University	13:30-14:30	A-17
1235291	Jinhui Ma	Hip Osteonecrosis Is Associated with Increased Plasma IL-33 Level.	China-Japan Friendship Hospital	13:30-14:30	A-18

1235274	Jinhui Ma	Porous Tantalum Implant in Treating Osteonecrosis of the Femoral Head: Still a Viable Option?	China-Japan Friendship Hospital	13:30-14:30	A-19
1240108	Chi Zhou	The Role of Lateral Wall in Non-traumatic Osteonecrosis of the Femoral Head: A Six-year Follow-up Study of Sixty-eight Hips	First Affiliated Hospital of Guangzhou University of Chinese Medicine	13:30-14:30	A-20
1235357	Lixin Chen	Investigate the value of CEACAM1 in early diagnosis and disease monitoring of ONFH	First Affiliated Hospital of Guangzhou University of Chinese Medicine	13:30-14:30	A-21
1235815	Weifeng Li	Significance of serum Dickkopf-1 protein in early diagnosis and disease monitoring of osteonecrosis of the femoral head	Guangzhou University of Chinese Medicine	13:30-14:30	A-22
1235235	Xiaoming He	The bone turnover markers of patient with ONFH of different pathogeny: A Retrospective Study of 341 cases	First Affiliated Hospital of Guangzhou University of Chinese Medicine	13:30-14:30	A-23
1235857	Leilei Zhang	A comparison of two different surgical treatment techniques in one surgical methods in Osteonecrosis of the Femoral Head in young adults: A Retrospective Comparison study	Luoyang Orthopedic Hospital of Henan Province, Orthopedics Hospital of Henan Province, Luoyang, China	13:30-14:30	A-24
1234644	Ryosuke Yamaguchi	HIF-1 dependent interleukin-6 activation in articular chondrocytes initiating synovitis in femoral head ischemic osteonecrosis	Kyushu University	13:30-14:30	A-25
1229874	Fan Yang	A experimental study of Host Versus Graft Reaction at different stages of allogeneic transplantation of large-area full-thickness osteochondral defects in rats	Affiliated Zhongshan Hospital of Dalian University	13:30-14:30	A-26
1234895	Yohei Tomaru	Treatment outcomes of corticosteroid-induced osteonecrosis of the femoral head in system lupus erythematosus: matching-adjusted comparison between femoral head preserving surgery and natural history in two different centers	Department of Orthopaedic Surgery, Faculty of Medicine, University of Tsukuba	13:30-14:30	B-1
1234571	Zhongxin Zhu	Potential diagnostic power of blood circular RNA expression in steroid-induced osteonecrosis of the femoral head	Institute of Orthopaedics and Traumatology of Zhejiang Province	13:30-14:30	B-2

1235764	Cheng Zhang	Characteristics of bone mineral density in different parts of adult patients with non-traumatic femoral head necrosis	Guangzhou University of Chinese Medicine	13:30-14:30	B-3
1235793	Zhenyu Shi	Characteristics of bone turnover markers in patients with osteonecrosis of the femoral head	Institute of Orthopedics and Traumatology, the First Affiliated Hospital of Zhejiang Chinese	13:30-14:30	B-4
1235241	Xiaolong Zheng	Correlation study of bone turnover markers in patients with alcohol-induced osteonecrosis of femoral head	First Clinical Medical College, Guangzhou University of Chinese Medicine, Guangzhou	13:30-14:30	B-5
1235441	Jian Liu	Clinical observation on the treatment of femoral head necrosis by surgical dislocation of hip joint combined with dead bone cureting and bone grafting	First Renmin Hospital of Lianyungang	13:30-14:30	B-6
1235356	Donghai Li	Percutaneously drilling through femoral head and neck fenestration combining with compacted autograft for early femoral head necrosis: A retrospective study.	West China Hospital of Sichuan University	13:30-14:30	B-7
1234899	Bin Du	Is The Vascular Anastomosis Necessary? A Long-term Results of The Avascular Fibular Grafting in ONFH with 6 to 8- year Follow-up	Jiangsu Province Hospital of Chinese Medicine	13:30-14:30	B-8
1234906	Bin Du	The experimental study in the treatment of steroid-induced femoral head necrosis in rabbits by Yougui-Decoction	Jiangsu Province Hospital of Chinese Medicine	13:30-14:30	B-9
1235350	Zhun Wei	Efficiency of Cell Therapy to GC-Induced ONFH: BMSCs with Dkk-1 Interference Is Not Superior to Unmodified BMSCs.	West China Hospital of Sichuan University	13:30-14:30	B-10
1235376	Zhikun Zhuang	Application of surgical dislocation of hip joint in hip-salvage operation for femoral head necrosis	Quanzhou Orthopedic Hospital	13:30-14:30	B-11
1235750	Ping Zeng	Potential Serum Biomarkers Discovery of Steroid-induced Femoral Head Osteonecrosis: dynamic proteomic change research among Chinese Female	First affiliated hospital of Guangxi University of Chinese Medicine	13:30-14:30	B-12
1234322	Zhijie Ma	Experimental and Clinical Study of the high bioactive Porous Tantalum Metal Screw for The Treatment of Femoral Neck Fracture	Affiliated Zhongshan Hospital of Dalian University, Dalian, Liaoning, 116001,	13:30-14:30	B-13

1234324	Yingshan Shen	The subchondral low signal band is highly correlated with a subchondral fracture in the fat inhibitory phase of MRI of femoral head necrosis	First Clinical Medical College, Guangzhou University of Chinese Medicine, Guangzhou,	13:30-14:30	B-14
1232829	Hengfeng Yuan	Clinical outcomes of osteonecrosis of the femoral head after autologous bone marrow stem cell implantation: a meta-analysis of seven case-control studies	Zhongshan Hospital of Fudan University	13:30-14:30	B-15
1232830	Hengfeng Yuan	Analysis of altered microRNA expression profile in the reparative interface of the femoral head with osteonecrosis	Zhongshan Hospital of Fudan University	13:30-14:30	B-16
1232462	Xiaowei Wei	Mesenchymal stem cells-loaded porous tantalum integrated with biomimetic 3D collagen-based scaffold to repair large osteochondral defects in goats	Affiliated Zhongshan Hospital of Dalian University	13:30-14:30	B-17
1231572	Jiabang Liu	The efficacy of core decompression and bone graft combined with autologous bone marrow mesenchymal stem cells injection in the treatment of osteonecrosis of femoral head	Peking University ShouGang Hospital	13:30-14:30	B-18
1233995	Jung-Hoon Choi	Highly Cross Linked Polyethylene in Total Hip Arthroplasty in Patients Younger than 50 Years with Osteonecrosis of the Femoral Head; A Minimum of 10 Years of Follow Up	Keimyung University Dongsan Hospital	13:30-14:30	B-19
1232904	Shuidi Gong	Elevated Plasma Cartilage Oligomeric Matrix Protein (COMP) Level Are Associated with the Progression of Non-traumatic Osteonecrosis of Femoral Head	First Affiliated Hospital of Guangzhou University of Chinese Medicine	13:30-14:30	B-20
1234193	Daping Cui	Safflower (Carthamus tinctorius L.) polysaccharide attenuates cellular apoptosis in steroid-induced avascular necrosis of femoral head by targeting caspase-3-dependent signaling pathway	Affiliated Zhongshan Hospital of Dalian University	13:30-14:30	B-21
1234194	Daping Cui	Beneficial contribution of a safflower (Carthamus tinctorius) polysaccharide on steroid-induced avascular necrosis of the femoral head in rats	Affiliated Zhongshan Hospital of Dalian University	13:30-14:30	B-22

1234537	Youwen Liu	Long-term Curative Effect of Sartorius Muscle-pedicle Bone Graft for Non-traumatic ONFH in the Early Stage	Henan Province Orthopedic Hospital	13:30-14:30	B-23
1235353	Yue Luo	In vivo evaluation of porous lithium-doped hydroxyapatite scaffolds for the treatment of bone defect	West China Hospital of Sichuan University	13:30-14:30	B-24
1235619	Hao Peng	Gene expression profiling of osteoblasts subjected to dexamethasone-induced apoptosis with/without GSK3beta-shRNA.	Renmin Hospital of Wuhan University	13:30-14:30	B-25
1227984	Fan Yang	Long-Term Curative Effect Analysis Of Total Hip Arthroplasty of Treatment of Crowe Type III-IV Developmental Dysplasia of Hip with Dislocation in Adults	Affiliated Zhongshan Hospital of Dalian University	13:30-14:30	B-26
1235882	Hao Peng	Role of ROS/PARP-1/AIF signaling pathway in apoptosis of steroid induced osteonecrosis of femoral head in mice	Renmin Hospital of Wuhan University	15:00-16:00	C-1
1244113	Zhiyang Xu	Associated factors for the occurrence and development of spontaneous osteonecrosis of the knee	First Affiliated Hospital of Fujian Medical University	15:00-16:00	C-2
1235304	Fan Yang	Clinical characteristics of steroid-induced femur head necrosis: timing of diagnosis	Guangzhou University of Chinese Medicine	15:00-16:00	C-3
1242262	Cheng Zhang	Bone Mineral Density Deviations in Patients With Non-traumatic Femoral Head Necrosis	First affiliated hospital of Guangzhou University of Chinese Medicine	15:00-16:00	C-4
1237001	Young-Kyun Lee	Concomitant septic arthritis of the hip in patients with osteonecrosis of the femoral head	Seoul National University Bundang Hospital	15:00-16:00	C-5
1235199	Taixian LI	Identification of the Potential Biomarkers for the Early Diagnosis and the Differential Diagnosis on Traditional Chinese Medicine Syndromes of Steroid-induced Osteonecrosis of the Femoral Head	Institute of Chinese Materia Medica, China Academy of Chinese Medical Sciences	15:00-16:00	C-6
1234648	Yujiang Mao	Hinged distraction of the hip after decompression and bone grafting through a femoral neck window in the treatment of femoral head necrosis in young patients: a preliminary observation	Beijing Jishuitan Hospital	15:00-16:00	C-7

1235261	Min-cong He	Ultrastructural Alterations of Osteocyte Morphology and the Nanomechanical Properties of Trabecular Bone in Different Areas of Necrotic Femoral Heads	Guangzhou University of Chinese Medicine	15:00-16:00	C-8
1235739	Peng Yang	Is hip joint medial space a predictor of collapse? A retrospective study on relationship between hip joint medial space and the collapse in non-traumatic osteonecrosis of the femoral head	First affiliated hospital of Guangzhou University of Chinese Medicine	15:00-16:00	C-9
1235325	Huang Cheng	Treatment of early stage osteonecrosis of the femoral head by core decompression combined with bone graft and prp.	China-Japan Friendship Hospital	15:00-16:00	C-10
1234904	Fengxiang Pang	Correlation between advanced glycation end products and collapse mechanism of non-traumatic osteonecrosis of femoral head.	The First Affiliated Hospital of Guangzhou University of Chinese Medicine	15:00-16:00	C-11
1235883	Hao Peng	Predictors of femoral head avascular necrosis after internal fixation of femoral neck fractures	Renmin Hospital of Wuhan University	15:00-16:00	C-12
1234397	Hui Xie	Total hip arthroplasty after failure of conservative treatment of osteonecrosis of the femoral head	Affiliated Zhongshan Hospital of Dalian University	15:00-16:00	C-13
1232831	Hengfeng Yuan	Involvement of MicroRNA-210 Demethylation in Steroidassociated Osteonecrosis of the Femoral Head	Zhongshan Hospital of Fudan University	15:00-16:00	C-14
1228298	Shaopeng Li	An exploratory study of articular cartilage and subchondral bone reconstruction with Bone marrow Mesenchymal Stem Cells combined with porous tantalum/Bio-Gide collagen membrane in Osteonecrosis of the Femoral Head	Affiliated Zhongshan Hospital of Dalian University	15:00-16:00	C-15
1223941	Zhikun Zhuang	Risk factors of femoral head necrosis after internal fixation in the young and middle-aged femoral neck fracture and the application of MRI	Quanzhou Orthopedic Hospital	15:00-16:00	C-16

1232833	Hengfeng Yuan	Protective Effects of Total Saponins of Panax Notoginseng on Steroid-Induced Avascular Necrosis of the Femoral Head In Vivo and In Vitro	Zhongshan Hospital of Fudan University	15:00-16:00	C-17
1232834	Hengfeng Yuan	Study of Osteocyte Behavior by High-Resolution Intravital Imaging Following Photo-Induced Ischemia	Zhongshan Hospital of Fudan University	15:00-16:00	C-18
1232835	Hengfeng Yuan	The treatment of femoral neck fracture using VEGF-loaded nanographene coated internal fixation screws	Zhongshan Hospital of Fudan University	15:00-16:00	C-19
1234298	Liangliang Cheng	Clinical report of 3D printed customized porous tantalum metal hip reconstruction in the treatment of adult DDH	Affiliated Zhongshan Hospital of Dalian University	15:00-16:00	C-20
1234212	Yuhao Liu	Compounds Extracted from Dragon's Blood Resin Inhibit RANKL-Induced Osteoclast Formation and Function and Suppress Osteoclast-mediated Bone Loss in Mice	The First Affiliated Hospital, Guangzhou University of Chinese Medicine	15:00-16:00	C-21
1235045	Chenjie Xia	Activation of β -catenin in Col2-expressing chondrocytes leads to an osteoarthritis-like defects in hip joint	Institute of Orthopedics and Traumatology, the First Affiliated Hospital of Zhejiang Chinese Medical University	15:00-16:00	C-22
1247231	Ines Reichert	Proximal scaphoid fracture and the role of vascularity	King's College Hospital	15:00-16:00	C-23
1237002	Young-Kyun Lee	Cementless Hip Arthroplasty in Patients with Subchondral Insufficiency Fracture of Femoral Head	Seoul National University Bundang Hospital	15:00-16:00	C-24
1235856	Leilei Zhang	High-energy extracorporeal shock wave therapy for nontraumatic osteonecrosis of the femoral head	Luoyang Orthopedic Hospital of Henan Province, Orthopedics Hospital of Henan Province, Luoyang	15:00-16:00	C-25
1234767	Xiuzhi Zhang	Molecular Regulation Mechanisms of TGF-beta 1 Promoting Bone Repair	Affiliated Zhongshan Hospital of Dalian University	15:00-16:00	C-26

1235613	Hao Peng	Sesamin Protects the Femoral Head From Osteonecrosis by Inhibiting ROS-Induced Osteoblast Apoptosis in Rat Model.	Renmin Hospital of Wuhan University	15:00-16:00	D-1
1234060	TAE-YOUNG KIM	Is there a role of pharmacological treatments in the prevention or treatment of osteonecrosis of the femoral head?: A systemic review	Konkuk University Medical Center	15:00-16:00	D-2
1233649	Zhi-Hong Luo	Based on Bibliometric and visualized study, the global research trends in stem cells for osteonecrosis	University of Chinese Medicine, Guangzhou, 510405, China.	15:00-16:00	D-3
1235791	Yu Zhang	Using Gait Analysis to Assess Function of Hip of Patients with Femur Head Necrosis Cured by Conservative Treatment	Guangdong Province Renmin Hospital	15:00-16:00	D-4
1232668	Zhi-Hong Luo	The effect of platelet rich plasma on blood coagulation indexes after preserving femoral head surgery	First Clinical Medical College, Guangzhou University of Chinese Medicine, Guangzhou, 5	15:00-16:00	D-5
1227987	Fan Yang	Basic fibroblast growth factor and agarose gel promotes the ability of immuno-privilege of allogeneic cartilage transplantation in rats	Affiliated Zhongshan Hospital of Dalian University	15:00-16:00	D-6
1235451	Yong-Chan Ha	Which osteotomy for osteonecrosis of the femoral head and which patient for the osteotomy?	Chung-Ang University Hospital	15:00-16:00	D-7
1234914	Yu-Der Ru	Results of Valgus Intertrochanteric Osteotomy in the Salvage of Femoral Cervicotrochanteric Fractures Malunion and Nonunion	Kaohsiung Chang Gung Memorial Hospital	15:00-16:00	D-8
1227986	Fan Yang	Experimental study of the impacts of bFGF on decreasing the expression of extracellular inflammatory factors to promote the proliferation and differentiation of chondrocytes	Affiliated Zhongshan Hospital of Dalian University	15:00-16:00	D-9
1234868	Tianwei Xia	Staging treatment of osteonecrosis of femoral head based on China-Japan Friendship Hospital classification	Jiangsu Province Hospital of Chinese Medicine	15:00-16:00	D-10

1236341	Yongsheng Xu	Treatment of developmental dislocation of hip joint in older children with artificial acetabular top	Renmin Hospital of Inner Mongolia Autonomous region	15:00-16:00	D-11
1234309	Yingshan Shen	Non-operative treatment for multiple osteonecrosis patients based on the method of activating blood circulation and dredging collaterals	First Clinical Medical College, Guangzhou University of Chinese Medicine, Guangzhou	15:00-16:00	D-12
1234960	Chao Zhang	Rotational osteotomy on the base of femoral neck in treating middle and late stage osteonecrosis of the femoral head	Jiangsu province hospital of Traditional Chinese Medicine	15:00-16:00	D-13
1245619	Gangyu Zhang	Study on anti-osteoporosis molecular mechanism of the herb pair Danshen and Honghua based on network pharmacology	Guangzhou University of Chinese Medicine	15:00-16:00	D-14
1245593	Zhiming Wu	Exercise therapy for patients with CI femoral head necrosis: rationale and design	The First Affiliated Hospital of Guangzhou University of Chinese Medicine	15:00-16:00	D-15
1245627	Gangyu Zhang	Exploration into Molecular mechanism of Drynariae Rhizoma for treatment of Osteoporosis based on network pharmacology	Guangzhou University of Chinese Medicine	15:00-16:00	D-16
1235482	Peng Zhang	Subchondral bone osteoclasts are associated with bone marrow lesions in patients with knee osteoarthritis pain	Zhejiang Chinese Medical University	15:00-16:00	D-17
1234280	Jian Wang	Efficacy of Tranexamic Acid in the Management of Bleeding After Medial Opening Wedge High Tibial Osteotomy	Nanfang Hospital	15:00-16:00	D-18
1234398	Hui Xie	A novel tantalum coating on porous SiC scaffold using chemical vapor deposition and preliminary biological evaluation	Affiliated Zhongshan Hospital of Dalian University	15:00-16:00	D-19
1224104	Tianwei Xia	Total Hip Arthroplasty Treated Anterior Dislocation of Hip Sustaining for Thirty-two Years with Venous Reflux Disorder: a Case Report	Jiangsu Province Hospital of Chinese Medicine	15:00-16:00	D-20
1234578	Chengming Zhu	Comparative study of bone transport and LCP combined with bone graft for treatment of effect bone nonunion in tibia	Renmin Hospital of Liuzhou	15:00-16:00	D-21

1234576	Chao Zhang	Modified intertrochanteric curved varus osteotomy for osteonecrosis of femoral head: a study of cadaver anatomy	jiangsu province hospital of traditional chinese medicine	15:00-16:00	D-22
1234350	Sen Chen	current status and progress of hip-preserving treatment for osteonecrosis of the femoral head in adults	Renmin Hospital of Wuhan University	15:00-16:00	D-23
1241103	Zhaopeng Tang	Short term clinical results of one stage repair and reconstruction in treatment of multiple ligament injury of knees	Gansu Province Hospital of Chinese Medicine	15:00-16:00	D-24
1234770	Xiuzhi Zhang	Molecular Regulation Mechanism of Biodegradable Magnesium-induced Bone Healing	Affiliated Zhongshan Hospital of Dalian University	15:00-16:00	D-25