

Key words index

A

Abaloparatide, Zoledronate, Romosozumab·····1305
Activity, Fall prevention, Rehabilitation medicine···869
Acute, Low back pain, Pilates·····951
Acute calcific tendinitis of the longus colli muscle, Retropharyngeal abscess, Pyogenic spondylitis·····81
Acute limb ischemia, Lower extremity artery disease, Intermittent claudication·····359
Adhesive drape, Iodine-free/iodine-containing, Surgical site infection (SSI)·····471
Adolescent and young adult, Glucocorticoid, Osteoporosis·····117
Adolescent and young adult generation, Developmental dysplasia of the hip, Hip osteotomy·····161
Adolescent idiopathic scoliosis (AIS), Artificial intelligence (AI), Adult spinal deformity (ASD)·····1379
Adult spinal deformity, Cost effectiveness, Corrective fusion surgery·····665
Adult spinal deformity, Transcranial electrical stimulation motor-evoked potentials, False positive·····781
Adult spinal deformity (ASD), Artificial intelligence (AI), Adolescent idiopathic scoliosis (AIS)·····1379
AI, Gait analysis, Motion analysis·····1407
AI (artificial intelligence), Adolescent idiopathic scoliosis (AIS), Adult spinal deformity (ASD)··1379
AI (artificial intelligence), Osteoporosis, Bone mineral density (BMD)·····1367
AI (artificial intelligence), Ultrasonography, Baseball elbow·····393
AI (artificial intelligence), Ultrasound, Posture estimation·····1393
AIS (adolescent idiopathic scoliosis), Artificial intelligence (AI), Adult spinal deformity (ASD)·····1379
AL amyloidosis, Amyloidosis, ATTR amyloidosis·1513
ALS, Split hand, Split finger·····1485
AMR, Bioavailability, Penetration·····541
Amyloidosis, ATTR amyloidosis, AL amyloidosis·1513
Ankle osteoarthritis, Hallux valgus, Flat foot·····347
Annular ligament, Children, Monteggia fracture-dislocation·····1451
Anterior cruciate ligament, Patellar dislocation, Maturity·····141
Anterior talofibular ligament (ATFL), Pure ankle dislocation, Athlete·····195
Antibacterial implant, Periprosthetic joint infection, Silver·····511
Antibacterial suture, Antimycobacterial suture, Antimicrobial sutures·····497

Antibiotic-loaded acrylic cement, One staged revision, Periprosthetic joint infection·····589
Antibiotic-loaded bone cement, PJI, SSI·····455
Antibiotics, Methicillin-resistant *Staphylococcus aureus* (MRSA), Bone and joint infection·····535
Antibiotics, Side effect, Bone and joint infections··551
Antimicrobial prophylaxis, Surgical site infection, NOCOTA study·····441
Antimicrobial sutures, Antibacterial suture, Antimycobacterial suture·····497
Antimycobacterial suture, Antibacterial suture, Antimicrobial sutures·····497
Aortic dissection, Ototoxicity, Tendon rupture····527
Arthroscopic arthroplasty, Navigation system, Computer simulation·····1033
Artificial intelligence, Telerehabilitation, Postoperative·····1205
Artificial intelligence, Ultrasonography, Peripheral nerve·····1399
Artificial intelligence (AI), Adolescent idiopathic scoliosis (AIS), Adult spinal deformity (ASD)··1379
Artificial intelligence (AI), Osteoporosis, Bone mineral density (BMD)·····1367
Artificial intelligence (AI), Ultrasonography, Baseball elbow·····393
Artificial intelligence (AI), Ultrasound, Posture estimation·····1393
ASD (adult spinal deformity), Artificial intelligence (AI), Adolescent idiopathic scoliosis (AIS)·····1379
Assessment, Podiatry, Screening·····317
Assistance team, Rehabilitation medicine, Disaster·····1107
ATFL (anterior talofibular ligament), Pure ankle dislocation, Athlete·····195
Athlete, Pure ankle dislocation, Anterior talofibular ligament (ATFL)·····195
ATTR amyloidosis, Amyloidosis, AL amyloidosis 1513
AYA generation, Juvenile idiopathic osteoporosis, Post-pregnancy osteoporosis·····107

B

Balance training, High-impact exercise, Resistance training·····1297
Baseball elbow, Artificial intelligence (AI), Ultrasonography·····393
Baseball elbow, Osteochondritis dissecans, Bilateral case·····91
Basketball player, Sacral stress fracture, Female·1247
Biceps femoris muscle, Ultrasonic diagnostic equipment, Common peroneal nerve·····189
Bilateral case, Osteochondritis dissecans, Baseball elbow·····91
Bio clean room, Surgical helmet system, SSI·····479

Bioavailability , Penetration, AMR·····	541
Biofilm , Implant, MBEC·····	623
Biologic disease-modifying anti-rheumatic drugs , Rheumatoid arthritis, Cost-effectiveness·····	645
BMD (bone mineral density) , Artificial intelligence (AI), Osteoporosis·····	1367
BMP2 , Nanoclay, Bone tissue regeneration·····	1439
Bone and joint infection , Antibiotics, Methicillin-resistant <i>Staphylococcus aureus</i> (MRSA)·····	535
Bone and joint infections , Antibiotics, Side effect·····	551
Bone invasion , Periosteum, Oral cancer·····	815
Bone metastasis , Rehabilitation, Multidisciplinary treatment·····	1193
Bone mineral density , Fracture risk, Osteoporosis screening·····	1273
Bone mineral density (BMD) , Artificial intelligence (AI), Osteoporosis·····	1367
Bone tissue regeneration , BMP2, Nanoclay·····	1439
Bone transport , Ilizarov external fixator, Distraction osteogenesis·····	595
Bone tumor , Pisiform, Triquetrum·····	957
Bone union , Fresh lumbar spondylolysis, Magnetic resonance imaging·····	177
Bone union , Lumbar spondylolysis, Elementary school student·····	721
Borderline dysplasia , Pelvic osteotomy, Hip arthroscopy·····	261
Botulinum toxin therapy , Spasticity, Rehabilitation·····	1135
Bouchard nodes , Heberden nodes, Carpometacarpal arthritis·····	43
Brace , Rhizarthrosis, Conservative treatment·····	1047
Brain-computer interface , Neurorehabilitation, Sensorimotor recovery·····	1143
Brain plasticity , Musician's dystonia, Task-specific dystonia·····	51
Brain volume , Vertebral fractures, Cohort study·····	1333
Bypass surgery , Lower extremity artery disease, Endovascular therapy·····	365

C

Calcium , Nutritional therapy, Vitamin D·····	1289
Calf muscle pump , Leg edema, Deep vein thrombosis·····	385
Carbapenems , Penicillins, Cephems·····	519
Carpal tunnel syndrome , Cubital tunnel syndrome, Entrapment neuropathy·····	33
Carpal tunnel syndrome , Endoscopic carpal tunnel release, One-portal method·····	1059
Carpal tunnel syndrome , Endoscopic carpal tunnel release, Surgical complications·····	407
Carpometacarpal arthritis , Heberden nodes, Bouchard nodes·····	43
Cast , Distal radius fracture, Conservative treatment·····	279
Cefazolin , Vancomycin, <i>Staphylococcus aureus</i> ·····	437
Cellular senescence , Osteoporosis, mTORC1·····	275
Cephems , Penicillins, Carbapenems·····	519
Cerebral palsy in adolescent and young adult ,	

Transitional care, Treatments of spasticity·····	155
Cervicobrachial symptoms , Drug therapy, Cost effectiveness·····	651
Characteristics of falls , Fall prevention, Fall-related fractures·····	895
Checklist , Crisis management, Intraoperative neurophysiological monitoring·····	751
Children , Monteggia fracture-dislocation, Annular ligament·····	1451
Chondrocyte , Human iPSC cell, Limb bud·····	1219
Chronic , Plasticity, Transplantation·····	1211
Chronic inflammatory demyelinating polyneuropathy , Diagnostic criteria, Nerve conduction study·····	1491
Chronic limb-threatening ischemia (CLTI) , Lower extremity wounds, Preservation of walking ability·····	337
Chronic low back pain , Cognitive behavioral therapy, Neurofeedback training·····	691
Chronic low back pain , Pharmaceutical treatment, Cost effectiveness·····	661
Chronic osteomyelitis , Papineau technique, Fracture related infection (FRI)·····	609
Chronic pain , Cognitive behavioral therapy, Exercise facilitation method·····	1119
CLAP (continuous local antibiotics perfusion) , Fracture related infection, Osteomyelitis·····	615
CLAP (continuous local antibiotic perfusion) , Periprosthetic joint infection, Debridement, antibiotic and implant retention (DAIR)·····	573
Clinical data mining , Quantitative gait analysis, Personalized rehabilitation treatments·····	1177
Clinical decision support , Large language model, Generative AI·····	1411
CLTI (chronic limb-threatening ischemia) , Lower extremity wounds, Preservation of walking ability·····	337
CNO , JIA, SpA·····	125
Cognitive behavioral therapy , Chronic low back pain, Neurofeedback training·····	691
Cognitive behavioral therapy , Chronic pain, Exercise facilitation method·····	1119
Cohort , Hip osteoarthritis, The ROAD study·····	209
Cohort study , Vertebral fractures, Brain volume·····	1333
Collared Fully Hydroxyapatite-Coated Femoral Stem , Periprosthetic femoral fracture, Occult periprosthetic femoral fractures·····	1445
Color grading , Neuromonitoring, Intramedullary spinal cord tumor·····	787
Combination therapy , Osteoporosis, Sequential therapy·····	1315
Common peroneal nerve , Ultrasonic diagnostic equipment, Biceps femoris muscle·····	189
Community , Hospital, Technology·····	859
Complex regional pain syndrome , Subcutaneous injection, Neuropathy·····	87
Computer-assisted surgery , Total elbow arthroplasty, Lateral para-olecranon approach·····	1027
Computer simulation , Navigation system,	

Arthroscopic arthroplasty	1033
Conservative treatment , Distal radius fracture, Cast	279
Conservative treatment , Distal radius fracture, Unstable element	1233
Conservative treatment , Rhizarthrosis, Brace	1047
Consulting , Orthopaedic infection, Ortho Support	415
Continuous local antibiotics perfusion (CLAP) , Fracture related infection, Osteomyelitis	615
Continuous local antibiotic perfusion (CLAP) , Periprosthetic joint infection, Debridement, antibiotic and implant retention (DAIR)	573
Conversion disorder , Functional neurological disorder, Hysteria	1533
Coronoid fracture , Olecranon fracture dislocation, Suture button fixation	1019
Corrective fusion surgery , Adult spinal deformity, Cost effectiveness	665
Corrective osteotomy , Radial head fracture, Malunion	715
Cost effectiveness , Adult spinal deformity, Corrective fusion surgery	665
Cost effectiveness , Cervicobrachial symptoms, Drug therapy	651
Cost effectiveness , Chronic low back pain, Pharmaceutical treatment	661
Cost effectiveness , Quality of life, Quality-adjusted life years	685
Cost-effectiveness , Osteoporotic vertebral fracture, Vertebral augmentation	679
Cost-effectiveness , Radial distal fracture, Elbow	671
Cost-effectiveness , Rheumatoid arthritis, Biologic disease-modifying anti-rheumatic drugs	645
Cost-effectiveness analysis , Quality-adjusted life years, Incremental cost-effectiveness ratio	639
Crisis management , Intraoperative neurophysiological monitoring, Checklist	751
Critically ill patients , Early mobilization, Mechanical ventilation	1097
CT screening , Deep learning, Sarcopenia	1385
Cubital tunnel syndrome , Carpal tunnel syndrome, Entrapment neuropathy	33
Cubital tunnel syndrome , Endoscopic cubital tunnel release, Ulnar nerve	1001
Current standards , Spinal cord monitoring, History	741

D

DAIR (debridement, antibiotic and implant retention) , Periprosthetic joint infection, Continuous local antibiotic perfusion (CLAP)	573
DAPITO trial , Duration of antimicrobial therapy, Perioperative antimicrobial prophylaxis	559
DDH (developmental dysplasia of the hip) , Hip osteoarthritis (OA), Life course approach	223
de Quervain's tenosynovitis , Flexor tenosynovitis, Musician	25
Debridement, antibiotic and implant retention (DAIR) , Periprosthetic joint infection, Continu-	

ous local antibiotic perfusion (CLAP)	573
Deep learning , CT screening, Sarcopenia	1385
Deep vein thrombosis , Leg edema, Calf muscle pump	385
Dementia , Fall prevention, Older adults	877
Dementia , Neurocognitive disorders, Rehabilitation	1125
Developmental dysplasia of the hip , Adolescent and young adult generation, Hip osteotomy	161
Developmental dysplasia of the hip (DDH) , Hip osteoarthritis (OA), Life course approach	223
Diagnostic ability , Sarcopenia, Ultrasonography	1041
Diagnostic criteria , Chronic inflammatory demyelinating polyneuropathy, Nerve conduction study	1491
Disaster , Rehabilitation medicine, Assistance team	1107
Discoid lateral meniscus , Magnetic resonance image, Morphology	71
Distal radius , Radial tilting angle, Ulnar tilting angle	1239
Distal radius fracture , Conservative treatment, Cast	279
Distal radius fracture , Conservative treatment, Unstable element	1233
Distraction osteogenesis , Bone transport, Ilizarov external fixator	595
Dorsal foot , Peripheral nerve, Hydrorelease	1349
Drug therapy , Cervicobrachial symptoms, Cost effectiveness	651
Drug therapy , Osteoporosis, Goal-directed treatment	1321
Duration of antimicrobial therapy , Perioperative antimicrobial prophylaxis, DAPITO trial	559

E

Early mobilization , Critically ill patients, Mechanical ventilation	1097
Edema , Foot and Ankle, Inflammation	377
Elbow , Radial distal fracture, Cost-effectiveness	671
Elbow fracture-dislocation , Olecranon fracture-dislocation, Olecranon fracture	1009
Elderly worker , Fall, Occupational accident	933
Elementary school student , Lumbar spondylolysis, Bone union	721
End-effector type , Robotics, Exoskeletal type	1161
Endoscopic carpal tunnel release , Carpal tunnel syndrome, One-portal method	1059
Endoscopic carpal tunnel release , Carpal tunnel syndrome, Surgical complications	407
Endoscopic cubital tunnel release , Cubital tunnel syndrome, Ulnar nerve	1001
Endovascular therapy , Lower extremity artery disease, Bypass surgery	365
Entrapment neuropathy , Carpal tunnel syndrome, Cubital tunnel syndrome	33
Epidemiological indices , Osteoporosis, Vertebral fractures	1265
Epidemiology , Hip fracture, Vertebral fracture	849

Evans index, Idiopathic normal pressure hydrocephalus, Shunt surgery.....1497
Exercise facilitation method, Chronic pain, Cognitive behavioral therapy.....1119
Exoscope, Extended reality, Spinal surgery.....945
Exoskeletal type, Robotics, End-effector type.....1161
Extended reality, Exoscope, Spinal surgery.....945
Extended reality (XR), VR (virtual reality), Metaverse.....1415
Extracorporeal shockwave therapy, Focused-shock wave, Osteochondritis dissecans of the humeral capitellum.....997

F

Facet joint angle, Fresh lumbar spondylolysis, Spondylolysis fracture angle.....1555
Fall, Elderly worker, Occupational accident.....933
Fall, Hypnotics, Polypharmacy.....905
Fall, Parkinson's disease, Prevention.....889
Fall, Patient safety, Prevention.....913
Fall prevention, Characteristics of falls, Fall-related fractures.....895
Fall prevention, Older adults, Dementia.....877
Fall prevention, Rehabilitation medicine, Activity.....869
Fall-related fractures, Fall prevention, Characteristics of falls.....895
False negative, Intraoperative neurophysiological monitoring, False positive.....795
False positive, Intraoperative neurophysiological monitoring, False negative.....795
False positive, Transcranial electrical stimulation motor-evoked potentials, Adult spinal deformity.....781
FAT (female athlete triad), Stress fracture, Relative energy deficiency in sport (RED-S).....147
Female, Sacral stress fracture, Basketball player.....1247
Female athlete triad (FAT), Stress fracture, Relative energy deficiency in sport (RED-S).....147
Finite element analysis, Hip dysplasia, Transposition osteotomy of the acetabulum.....231
First rib stress fracture, Pitching form, Rehabilitation.....399
Flat foot, Hallux valgus, Ankle osteoarthritis.....347
Flexibility assessment, Fresh lumbar spondylolysis, JOABPEQ.....1343
Flexor tenosynovitis, de Quervain's tenosynovitis, Musician.....25
FLS clinical standard, Hip fracture, Secondary fracture prevention.....1327
Focal dystonia, Rehabilitation treatment, Overuse.....57
Focused-shock wave, Extracorporeal shockwave therapy, Osteochondritis dissecans of the humeral capitellum.....997
Foot and Ankle, Edema, Inflammation.....377
Foot care, Pincer nail, Ingrown nail.....327
Fracture, Musician, Hand.....15
Fracture related infection, CLAP (continuous local antibiotics perfusion), Osteomyelitis.....615
Fracture related infection (FRI), Papineau technique, Chronic osteomyelitis.....609

Fracture-related infection, Masquelet technique, Infected nonunion.....601
Fracture risk, Bone mineral density, Osteoporosis screening.....1273
Frail prevention, Physical activity, Healthy life expectancy.....1073
Frailty, Hip fracture, Locomotive syndrome.....821
Frailty, nutrition, immunity and inflammation indices, Spinal metastasis, Surgery.....699
Fresh lumbar spondylolysis, JOABPEQ, Flexibility assessment.....1343
Fresh lumbar spondylolysis, Magnetic resonance imaging, Bone union.....177
Fresh lumbar spondylolysis, Soccer player, Prospective study.....1225
Fresh lumbar spondylolysis, Spondylolysis fracture angle, Facet joint angle.....1555
FRI (fracture related infection), Papineau technique, Chronic osteomyelitis.....609
Functional neurological disorder, Hysteria, Conversion disorder.....1533

G

Gait analysis, Motion analysis, AI.....1407
Generative AI, Large language model, Clinical decision support.....1411
Genome-wide association study, Susceptibility gene, Osteoarthritis of the hip.....215
Glucocorticoid, Osteoporosis, Adolescent and young adult.....117
Goal-directed treatment, Osteoporosis, Drug therapy.....1321
Growth factor, Osteoarthritis, Knee.....285

H

Hallux valgus, Flat foot, Ankle osteoarthritis.....347
Hand, Musician, Fracture.....15
Hand surgery, Musician's hand, Psychometric factor.....65
Healthy life expectancy, Physical activity, Frail prevention.....1073
Heberden nodes, Bouchard nodes, Carpometacarpal arthritis.....43
High-impact exercise, Resistance training, Balance training.....1297
Hip arthroscopy, Borderline dysplasia, Pelvic osteotomy.....261
Hip dysplasia, Transposition osteotomy of the acetabulum, Finite element analysis.....231
Hip fracture, Epidemiology, Vertebral fracture.....849
Hip fracture, FLS clinical standard, Secondary fracture prevention.....1327
Hip fracture, Locomotive syndrome, Frailty.....821
Hip fracture, Sarcopenia, Walking function.....1337
Hip osteoarthritis, Cohort, The ROAD study.....209
Hip osteoarthritis (OA), Developmental dysplasia of the hip (DDH), Life course approach.....223
Hip osteotomy, Adolescent and young adult generation, Developmental dysplasia of the hip.....161

Hip-spine syndrome, Spinopelvic alignment, Osteoarthritis.....245
History, Spinal cord monitoring, Current standards.....741
Hospital, Community, Technology.....859
Hospital fall and injury prevention, Legal perspectives on hospital accidents, Risk management in healthcare facilities.....923
Human iPS cell, Limb bud, Chondrocyte.....1219
Hydrorelease, Dorsal foot, Peripheral nerve.....1349
Hypnotics, Fall, Polypharmacy.....905
Hysteria, Functional neurological disorder, Conversion disorder.....1533

I

Idiopathic normal pressure hydrocephalus, Evans index, Shunt surgery.....1497
Ilizarov external fixator, Bone transport, Distraction osteogenesis.....595
Immune checkpoint inhibitors, Immune-related adverse events, Neuromuscular disorders.....1521
Immune-related adverse events, Immune checkpoint inhibitors, Neuromuscular disorders.....1521
Implant, Biofilm, MBEC.....623
Implant infection, Periprosthetic joint infection, Rifampicin combination therapy.....569
Incisional negative pressure wound therapy, Surgical site infection, Orthopaedic surgery.....503
Incremental cost-effectiveness ratio, Cost-effectiveness analysis, Quality-adjusted life years.....639
Infected nonunion, Masquelet technique, Fracture-related infection.....601
Inflammation, Foot and Ankle, Edema.....377
Ingrown nail, Pincer nail, Foot care.....327
Intermittent claudication, Lower extremity artery disease, Acute limb ischemia.....359
Internal brace, Medial collateral ligament, Repair.....985
Intertrochanteric fracture, Reverse oblique fracture, Proximal femoral nail.....707
Intramedullary spinal cord tumor, Neuromonitoring, Color grading.....787
Intraoperative irrigation, Surgical site infection, Povidone iodine.....475
Intraoperative neuromonitoring (IONM), Ossification of posterior longitudinal ligament (OPLL), Neurological complication prevention.....771
Intraoperative neurophysiological monitoring, Crisis management, Checklist.....751
Intraoperative neurophysiological monitoring, False positive, False negative.....795
Intraoperative neurophysiological monitoring, Spinal metastasis, Waveform derivation.....801
Iodine-containing/iodine-free, Adhesive drape, Surgical site infection (SSI).....471
Iodine-free/iodine-containing, Adhesive drape, Surgical site infection (SSI).....471
IONM (intraoperative neuromonitoring), Ossification of posterior longitudinal ligament (OPLL), Neurological complication prevention.....771

Itoh-Furushima method, UCL reconstruction, Twisting technique.....973

J

Japan, Podiatrist, Training.....313
Japanese LLMs, Large language models, LLM applications.....1423
JIA, SpA, CNO.....125
JOABPEQ, Fresh lumbar spondylolysis, Flexibility assessment.....1343
Juvenile idiopathic osteoporosis, AYA generation, Post-pregnancy osteoporosis.....107

K

Kinesthetic illusion, Virtual reality, Pain.....1151
Knee, Osteoarthritis, Growth factor.....285

L

Labral tear, Ultrasound of the hip joint, Micro instability.....237
Large language model, Clinical decision support, Generative AI.....1411
Large language models, Japanese LLMs, LLM applications.....1423
Large language models (LLM), Memory bandwidth, Quantization.....1429
Lateral para-olecranon approach, Total elbow arthroplasty, Computer-assisted surgery.....1027
Leg edema, Calf muscle pump, Deep vein thrombosis.....385
Legal perspectives on hospital accidents, Hospital fall and injury prevention, Risk management in healthcare facilities.....923
Life course approach, Developmental dysplasia of the hip (DDH), Hip osteoarthritis (OA).....223
Limb bud, Human iPS cell, Chondrocyte.....1219
LLM (large language models), Memory bandwidth, Quantization.....1429
LLM applications, Large language models, Japanese LLMs.....1423
Locomotive syndrome, Hip fracture, Frailty.....821
Long-term follow-up, Sarcoma, Treatment.....135
Low back pain, Acute, Pilates.....951
Low back pain, Shoes, Walking.....183
Lower extremity artery disease, Endovascular therapy, Bypass surgery.....365
Lower extremity artery disease, Intermittent claudication, Acute limb ischemia.....359
Lower extremity wounds, Chronic limb-threatening ischemia (CLTI), Preservation of walking ability.....337
Lumbar-pelvic sagittal alignment, Sacroiliac joint disorder, Prolotherapy and physical therapy.....1547
Lumbar spondylolysis, Elementary school student, Bone union.....721
Lumbar vertebral transverse process, Stress fracture, Table tennis.....831

M

Magnetic resonance image, Discoid lateral meniscus, Morphology.....71

Magnetic resonance imaging, Fresh lumbar spondylolysis, Bone union.....177

Magnetic resonance imaging, Spinal cord sarcoidosis, Spondylotic myelopathy.....1505

Magnetoneurography, Magnetospinography, Spinal cord evoked magnetic field.....809

Magnetospinography, Magnetoneurography, Spinal cord evoked magnetic field.....809

Major orthopaedic surgery, Normothermia, Surgical site infection.....487

Malnutrition, Sarcopenia, Protein.....1081

Malunion, Radial head fracture, Corrective osteotomy.....715

Masquelet technique, Fracture-related infection, Infected nonunion.....601

Maturity, Anterior cruciate ligament, Patellar dislocation.....141

Mayo Clinic, Orthopaedic infectious diseases, Musculoskeletal infection.....427

MBEC, Biofilm, Implant.....623

Mechanical ventilation, Early mobilization, Critically ill patients.....1097

Medial collateral ligament, Internal brace, Repair.....985

Medial meniscus posterior extrusion (MPE), Ultrasound, Medial meniscus posterior root tear (MMPRT).....1053

Medial meniscus posterior root tear (MMPRT), Ultrasound, Medial meniscus posterior extrusion (MPE).....1053

Memory bandwidth, Large language models (LLM), Quantization.....1429

Metaverse, VR (virtual reality), XR (extended reality).....1415

Methicillin-resistant *Staphylococcus aureus* (MRSA), Antibiotics, Bone and joint infection.....535

MHP (multi-grip myoelectric hand prosthesis), Targeted muscle reinnervation (TMR), Microprocessor controlled knee (MPK).....1169

Micro instability, Ultrasound of the hip joint, Labral tear.....237

Microprocessor controlled knee (MPK), Targeted muscle reinnervation (TMR), Multi-grip myoelectric hand prosthesis (MHP).....1169

MMPRT (medial meniscus posterior root tear), Ultrasound, Medial meniscus posterior extrusion (MPE).....1053

MOG associated disorder, Multiple sclerosis, Neuromyelitis optica spectrum disorder.....1477

Monteggia fracture-dislocation, Children, Annular ligament.....1451

Morphology, Discoid lateral meniscus, Magnetic resonance image.....71

Motion analysis, Gait analysis, AI.....1407

MPE (medial meniscus posterior extrusion),

Ultrasound, Medial meniscus posterior root tear (MMPRT).....1053

MPK (microprocessor controlled knee), Targeted muscle reinnervation (TMR), Multi-grip myoelectric hand prosthesis (MHP).....1169

MRSA (methicillin-resistant *staphylococcus aureus*), Antibiotics, Bone and joint infection.....535

mTORC1, Cellular senescence, Osteoporosis.....275

Multi-grip myoelectric hand prosthesis (MHP), Targeted muscle reinnervation (TMR), Microprocessor controlled knee (MPK).....1169

Multidisciplinary care, Podiatry medicine, Podiatrist.....307

Multidisciplinary treatment, Bone metastasis, Rehabilitation.....1193

Multimodal IONM, Tc-MEP, SEP.....767

Multiple sclerosis, Neuromyelitis optica spectrum disorder, MOG associated disorder.....1477

Musculoskeletal infection, Orthopaedic infectious diseases, Mayo Clinic.....427

Musician, de Quervain's tenosynovitis, Flexor tenosynovitis.....25

Musician, Hand, Fracture.....15

Musician's dystonia, Task-specific dystonia, Brain plasticity.....51

Musician's hand, Musician's medicine, Performing arts medicine.....7

Musician's hand, Psychometric factor, Hand surgery.....65

Musician's medicine, Musician's hand, Performing arts medicine.....7

Myositis, Sjögren's syndrome, Neuropathy.....1527

N

Nanoclay, BMP2, Bone tissue regeneration.....1439

Nasal decolonization, Surgical site infection, Skin decolonization.....459

Navigation system, Computer simulation, Arthroscopic arthroplasty.....1033

Nerve conduction study, Chronic inflammatory demyelinating polyneuropathy, Diagnostic criteria.....1491

Neurocognitive disorders, Dementia, Rehabilitation.....1125

Neurofeedback training, Chronic low back pain, Cognitive behavioral therapy.....691

Neurological complication prevention, Ossification of posterior longitudinal ligament (OPLL), Intraoperative neuromonitoring (IONM).....771

Neuromonitoring, Intramedullary spinal cord tumor, Color grading.....787

Neuromuscular disorders, Immune-related adverse events, Immune checkpoint inhibitors.....1521

Neuromyelitis optica spectrum disorder, Multiple sclerosis, MOG associated disorder.....1477

Neuropathy, Sjögren's syndrome, Myositis.....1527

Neuropathy, Subcutaneous injection, Complex regional pain syndrome.....87

Neurophysiological intraoperative monitoring,

Transcranial stimulation motor evoked potential, Spine and spinal cord surgery·····	761
Neurorehabilitation , Brain-computer interface, Sensorimotor recovery·····	1143
NOCOTA study , Surgical site infection, Antimicrobial prophylaxis·····	441
Non-communicable diseases , Preemptive medicine, Osteoporosis prevention·····	1279
Normothermia , Surgical site infection, Major orthopaedic surgery·····	487
Nutritional therapy , Calcium, Vitamin D·····	1289

O

OA (hip osteoarthritis) , Developmental dysplasia of the hip (DDH), Life course approach·····	223
Occult periprosthetic femoral fractures , Collared Fully Hydroxyapatite-Coated Femoral Stem, Periprosthetic femoral fracture·····	1445
Occupational accident , Elderly worker, Fall·····	933
Offloading therapy , Treatment phases of diabetic foot ulcer, Reduction of plantar pressure·····	369
Older adults , Fall prevention, Dementia·····	877
Olecranon fracture , Olecranon fracture-dislocation, Elbow fracture-dislocation·····	1009
Olecranon fracture dislocation , Coronoid fracture, Suture button fixation·····	1019
Olecranon fracture-dislocation , Elbow fracture-dislocation, Olecranon fracture·····	1009
One-portal method , Carpal tunnel syndrome, Endoscopic carpal tunnel release·····	1059
One staged revision , Periprosthetic joint infection, Antibiotic-loaded acrylic cement·····	589
OPLL (ossification of posterior longitudinal ligament) , Intraoperative neuromonitoring (IONM), Neurological complication prevention·····	771
Oral cancer , Periosteum, Bone invasion·····	815
Ortho Support , Orthopaedic infection, Consulting·····	415
Orthopaedic infection , Consulting, Ortho Support·····	415
Orthopaedic infectious diseases , Musculoskeletal infection, Mayo Clinic·····	427
Orthopaedic surgery , Incisional negative pressure wound therapy, Surgical site infection·····	503
Orthopaedic surgery , Surgical site infection, Skin preparation·····	465
Orthopaedic surgery , Vancomycin powder, Surgical site infection·····	447
Ossification of posterior longitudinal ligament (OPLL) , Intraoperative neuromonitoring (IONM), Neurological complication prevention·····	771
Osteoarthritis , Hip-spine syndrome, Spinopelvic alignment·····	245
Osteoarthritis , Knee, Growth factor·····	285
Osteoarthritis , Synovitis, RNA sequencing·····	1541
Osteoarthritis of the hip , Physical therapy, Pain·····	253
Osteoarthritis of the hip , Susceptibility gene, Genome-wide association study·····	215
Osteoarthritis of the hip , Young patient, Surgery·····	267
Osteochondritis dissecans , Baseball elbow, Bilateral case·····	91

Osteochondritis dissecans of the humeral capitulum , Extracorporeal shockwave therapy, Focused-shock wave·····	997
Osteochondritis dissecans of the humeral capitulum , Regenerative treatment, Ultrapurified alginate gel·····	993
Osteomyelitis , Fracture related infection, CLAP (continuous local antibiotics perfusion)·····	615
Osteoporosis , Artificial intelligence (AI), Bone mineral density (BMD)·····	1367
Osteoporosis , Cellular senescence, mTORC1·····	275
Osteoporosis , Combination therapy, Sequential therapy·····	1315
Osteoporosis , Drug therapy, Goal-directed treatment·····	1321
Osteoporosis , Epidemiological indices, Vertebral fractures·····	1265
Osteoporosis , Glucocorticoid, Adolescent and young adult·····	117
Osteoporosis prevention , Preemptive medicine, Non-communicable diseases·····	1279
Osteoporosis screening , Bone mineral density, Fracture risk·····	1273
Osteoporotic vertebral fracture , Cost-effectiveness, Vertebral augmentation·····	679
Ototoxicity , Tendon rupture, Aortic dissection·····	527
Overuse , Rehabilitation treatment, Focal dystonia·····	57

P

Pain , Kinesthetic illusion, Virtual reality·····	1151
Pain , Osteoarthritis of the hip, Physical therapy·····	253
Papineau technique , Chronic osteomyelitis, Fracture related infection (FRI)·····	609
Parkinson's disease , Fall, Prevention·····	889
Parkinson's disease , Perioperative management, Postural deformities·····	1469
Patellar dislocation , Anterior cruciate ligament, Maturity·····	141
Patient safety , Fall, Prevention·····	913
Pediatric supracondylar humerus fracture , Pulseless hand, Surgical treatment·····	1243
Pelvic osteotomy , Borderline dysplasia, Hip arthroscopy·····	261
Penetration , Bioavailability, AMR·····	541
Penicillins , Cephems, Carbapenems·····	519
Performing arts medicine , Musician's hand, Musician's medicine·····	7
Perioperative antimicrobial prophylaxis , Duration of antimicrobial therapy, DAPITO trial·····	559
Perioperative management , Parkinson's disease, Postural deformities·····	1469
Periosteum , Bone invasion, Oral cancer·····	815
Peripheral nerve , Dorsal foot, Hydrorelease·····	1349
Peripheral nerve , Ultrasonography, Artificial intelligence·····	1399
Periprosthetic femoral fracture , Collared Fully Hydroxyapatite-Coated Femoral Stem, Occult periprosthetic femoral fractures·····	1445
Periprosthetic joint infection , Antibacterial	

implant, Silver	511
Periprosthetic joint infection , Continuous local antibiotic perfusion (CLAP), Debridement, antibiotic and implant retention (DAIR)	573
Periprosthetic joint infection , Implant infection, Rifampicin combination therapy	569
Periprosthetic joint infection , One staged revision, Antibiotic-loaded acrylic cement	589
Periprosthetic joint infection , Total hip arthroplasty, Second stage revision surgery	581
Personalized rehabilitation treatments , Quantitative gait analysis, Clinical data mining	1177
Pharmaceutical treatment , Chronic low back pain, Cost effectiveness	661
Physical activity , Healthy life expectancy, Frail prevention	1073
Physical therapy , Osteoarthritis of the hip, Pain	253
Pilates , Low back pain, Acute	951
Pincer nail , Ingrown nail, Foot care	327
Pisiform , Bone tumor, Triquetrum	957
Pitching form , First rib stress fracture, Rehabilitation	399
PJI , Antibiotic-loaded bone cement, SSI	455
Plasticity , Chronic, Transplantation	1211
Plasticity , Spinal cord injury, RAGT	1185
Podiatrist , Podiatry medicine, Multidisciplinary care	307
Podiatrist , Training, Japan	313
Podiatry , Assessment, Screening	317
Podiatry medicine , Multidisciplinary care, Podiatrist	307
Polypharmacy , Fall, Hypnotics	905
Post-pregnancy osteoporosis , AYA generation, Juvenile idiopathic osteoporosis	107
Postoperative , Artificial intelligence, Telerehabilitation	1205
Postural deformities , Parkinson's disease, Perioperative management	1469
Posture estimation , Artificial intelligence (AI), Ultrasound	1393
Povidone iodine , Surgical site infection, Intraoperative irrigation	475
Preemptive medicine , Non-communicable diseases, Osteoporosis prevention	1279
Preservation of walking ability , Lower extremity wounds, Chronic limb-threatening ischemia (CLTI)	337
Prevention , Parkinson's disease, Fall	889
Prevention , Patient safety, Fall	913
Prevention , Surgical site infection, Treatment	421
Prevention , Treatment, Surgical site infection	431
Prolotherapy and physical therapy , Sacroiliac joint disorder, Lumbar-pelvic sagittal alignment	1547
Prospective study , Fresh lumbar spondylolysis, Soccer player	1225
Protein , Malnutrition, Sarcopenia	1081
Proximal femoral nail , Intertrochanteric fracture, Reverse oblique fracture	707
Psychometric factor , Musician's hand, Hand sur-	

gery	65
Pulseless hand , Pediatric supracondylar humerus fracture, Surgical treatment	1243
Pure ankle dislocation , Athlete, Anterior talofibular ligament (ATFL)	195
Pyogenic spondylitis , Acute calcific tendinitis of the longus colli muscle, Retropharyngeal abscess	81

Q

Quality-adjusted life years , Cost effectiveness, Quality of life	685
Quality-adjusted life years , Cost-effectiveness analysis, Incremental cost-effectiveness ratio	639
Quality of life , Cost effectiveness, Quality-adjusted life years	685
Quantitative gait analysis , Clinical data mining, Personalized rehabilitation treatments	1177
Quantization , Large language models (LLM), Memory bandwidth	1429

R

Radial distal fracture , Elbow, Cost-effectiveness	671
Radial head fracture , Malunion, Corrective osteotomy	715
Radial tilting angle , Distal radius, Ulnar tilting angle	1239
RAGT , Spinal cord injury, Plasticity	1185
RED-S (relative energy deficiency in sport) , Stress fracture, Female athlete triad (FAT)	147
Reduction of plantar pressure , Treatment phases of diabetic foot ulcer, Offloading therapy	369
Regenerative treatment , Osteochondritis dissecans of the humeral capitellum, Ultrapurified alginate gel	993
Rehabilitation , Bone metastasis, Multidisciplinary treatment	1193
Rehabilitation , Dementia, Neurocognitive disorders	1125
Rehabilitation , First rib stress fracture, Pitching form	399
Rehabilitation , Spasticity, Botulinum toxin therapy	1135
Rehabilitation medicine , Disaster, Assistance team	1107
Rehabilitation medicine , Fall prevention, Activity	869
Rehabilitation treatment , Overuse, Focal dystonia	57
Relative energy deficiency in sport (RED-S) , Stress fracture, Female athlete triad (FAT)	147
Repair , Medial collateral ligament, Internal brace	985
Resistance training , High-impact exercise, Balance training	1297
Retropharyngeal abscess , Acute calcific tendinitis of the longus colli muscle, Pyogenic spondylitis	81
Reverse oblique fracture , Intertrochanteric fracture, Proximal femoral nail	707
Rheumatoid arthritis , Cost-effectiveness, Biologic disease-modifying anti-rheumatic drugs	645

Rhizarthrosis, Brace, Conservative treatment·····1047
Rifampicin combination therapy, Implant infection, Periprosthetic joint infection·····569
Risk management in healthcare facilities, Hospital fall and injury prevention, Legal perspectives on hospital accidents·····923
RNA sequencing, Osteoarthritis, Synovitis·····1541
Robotics, Exoskeletal type, End-effector type·····1161
Romosozumab, Zoledronate, Abaloparatide·····1305

S

Sacral stress fracture, Female, Basketball player 1247
Sacroiliac joint disorder, Prolotherapy and physical therapy, Lumbar-pelvic sagittal alignment·····1547
Sarcoma, Treatment, Long-term follow-up·····135
Sarcopenia, CT screening, Deep learning·····1385
Sarcopenia, Hip fracture, Walking function·····1337
Sarcopenia, Malnutrition, Protein·····1081
Sarcopenia, Ultrasonography, Diagnostic ability·····1041
Scaphoid fracture, Trans-scaphoid lunate dislocation, Vascularized bone graft·····289
Screening, Podiatry, Assessment·····317
Second stage revision surgery, Total hip arthroplasty, Periprosthetic joint infection·····581
Secondary fracture prevention, FLS clinical standard, Hip fracture·····1327
Sensorimotor recovery, Brain-computer interface, Neurorehabilitation·····1143
SEP, Multimodal IONM, Tc-MEP·····767
Sequential therapy, Osteoporosis, Combination therapy·····1315
Shoes, Low back pain, Walking·····183
Shunt surgery, Idiopathic normal pressure hydrocephalus, Evans index·····1497
Side effect, Antibiotics, Bone and joint infections·····551
Silver, Periprosthetic joint infection, Antibacterial implant·····511
Sjögren's syndrome, Neuropathy, Myositis·····1527
Skin decolonization, Surgical site infection, Nasal decolonization·····459
Skin preparation, Surgical site infection, Orthopaedic surgery·····465
Soccer player, Fresh lumbar spondylolysis, Prospective study·····1225
SpA, JIA, CNO·····125
Spasticity, Rehabilitation, Botulinum toxin therapy·····1135
Spinal cord evoked magnetic field, Magnetospi-nography, Magnetoneurography·····809
Spinal cord injury, RAGT, Plasticity·····1185
Spinal cord monitoring, History, Current standards·····741
Spinal cord sarcoidosis, Spondylotic myelopathy, Magnetic resonance imaging·····1505
Spinal metastasis, Frailty, nutrition, immunity and inflammation indices, Surgery·····699
Spinal metastasis, Intraoperative neurophysiological monitoring, Waveform derivation·····801
Spinal surgery, Exoscope, Extended reality·····945

Spine and spinal cord surgery, Transcranial stimulation motor evoked potential, Neurophysiological intraoperative monitoring·····761
Spinopelvic alignment, Hip-spine syndrome, Osteoarthritis·····245
Split finger, ALS, Split hand·····1485
Split hand, ALS, Split finger·····1485
Spondylolysis fracture angle, Fresh lumbar spondylolysis, Facet joint angle·····1555
Spondylotic myelopathy, Spinal cord sarcoidosis, Magnetic resonance imaging·····1505
SSI, Antibiotic-loaded bone cement, PJI·····455
SSI, Surgical helmet system, Bio clean room·····479
SSI (surgical site infection), Adhesive drape, Iodine-free/iodine-containing·····471
Staphylococcus aureus, Cefazolin, Vancomycin·····437
Stress fracture, Lumbar vertebral transverse process, Table tennis·····831
Stress fracture, Relative energy deficiency in sport (RED-S), Female athlete triad (FAT)·····147
Subcutaneous injection, Neuropathy, Complex regional pain syndrome·····87
Surgery, Frailty, nutrition, immunity and inflammation indices, Spinal metastasis·····699
Surgery, Osteoarthritis of the hip, Young patient·····267
Surgical complications, Carpal tunnel syndrome, Endoscopic carpal tunnel release·····407
Surgical helmet system, Bio clean room, SSI·····479
Surgical site infection, Antimicrobial prophylaxis, NOCOTA study·····441
Surgical site infection, Incisional negative pressure wound therapy, Orthopaedic surgery·····503
Surgical site infection, Nasal decolonization, Skin decolonization·····459
Surgical site infection, Normothermia, Major orthopaedic surgery·····487
Surgical site infection, Povidone iodine, Intraoperative irrigation·····475
Surgical site infection, Prevention, Treatment·····421, 431
Surgical site infection, Skin preparation, Orthopaedic surgery·····465
Surgical site infection, Vancomycin powder, Orthopaedic surgery·····447
Surgical site infection (SSI), Adhesive drape, Iodine-free/iodine-containing·····471
Surgical treatment, Pediatric supracondylar humerus fracture, Pulseless hand·····1243
Susceptibility gene, Genome-wide association study, Osteoarthritis of the hip·····215
Suture button fixation, Olecranon fracture dislocation, Coronoid fracture·····1019
Synovitis, Osteoarthritis, RNA sequencing·····1541

T

3D-CT (three dimensional CT), Tendon rupture, Volume rendering method·····75
Table tennis, Stress fracture, Lumbar vertebral transverse process·····831

Targeted muscle reinnervation (TMR), Micro-processor controlled knee (MPK), Multi-grip myoelectric hand prosthesis (MHP)·····1169

Task-specific dystonia, Musician's dystonia, Brain plasticity·····51

Tc-MEP, Multimodal IONM, SEP·····767

Technology, Community, Hospital·····859

Telerehabilitation, Artificial intelligence, Postoperative·····1205

Tendon rupture, Ototoxicity, Aortic dissection·····527

Tendon rupture, 3D-CT (three dimensional CT), Volume rendering method·····75

The ROAD study, Hip osteoarthritis, Cohort·····209

Three dimensional CT (3D-CT), Tendon rupture, Volume rendering method·····75

Three-dimensional preoperative planning, Total elbow arthroplasty, Total wrist arthroplasty·····173

TMR (targeted muscle reinnervation), Microprocessor controlled knee (MPK), Multi-grip myoelectric hand prosthesis (MHP)·····1169

Total elbow arthroplasty, Computer-assisted surgery, Lateral para-olecranon approach·····1027

Total elbow arthroplasty, Three-dimensional preoperative planning, Total wrist arthroplasty·····173

Total hip arthroplasty, Periprosthetic joint infection, Second stage revision surgery·····581

Total wrist arthroplasty, Three-dimensional preoperative planning, Total elbow arthroplasty·····173

Training, Podiatrist, Japan·····313

Trans-scaphoid lunate dislocation, Scaphoid fracture, Vascularized bone graft·····289

Transcranial electrical stimulation motor-evoked potentials, Adult spinal deformity, False positive·····781

Transcranial stimulation motor evoked potential, Neurophysiological intraoperative monitoring, Spine and spinal cord surgery·····761

Transitional care, Cerebral palsy in adolescent and young adult, Treatments of spasticity·····155

Transplantation, Chronic, Plasticity·····1211

Transposition osteotomy of the acetabulum, Hip dysplasia, Finite element analysis·····231

Treatment, Prevention, Surgical site infection·····431

Treatment, Sarcoma, Long-term follow-up·····135

Treatment, Surgical site infection, Prevention·····421

Treatment phases of diabetic foot ulcer, Offloading therapy, Reduction of plantar pressure·····369

Treatments of spasticity, Cerebral palsy in adolescent and young adult, Transitional care·····155

Triquetrum, Bone tumor, Pisiform·····957

Twisting technique, UCL reconstruction, Itoh-Furushima method·····973

U

UCL reconstruction, Itoh-Furushima method, Twisting technique·····973

Ulnar nerve, Cubital tunnel syndrome, Endoscopic cubital tunnel release·····1001

Ulnar tilting angle, Distal radius, Radial tilting angle·····1239

Ultrapurified alginate gel, Osteochondritis dissecans of the humeral capitellum, Regenerative treatment·····993

Ultrasonic diagnostic equipment, Biceps femoris muscle, Common peroneal nerve·····189

Ultrasonography, Artificial intelligence (AI), Baseball elbow·····393

Ultrasonography, Peripheral nerve, Artificial intelligence·····1399

Ultrasonography, Sarcopenia, Diagnostic ability·····1041

Ultrasound, Artificial intelligence (AI), Posture estimation·····1393

Ultrasound, Medial meniscus posterior extrusion (MPE), Medial meniscus posterior root tear (MMPRT)·····1053

Ultrasound of the hip joint, Labral tear, Micro instability·····237

Unstable element, Distal radius fracture, Conservative treatment·····1233

V

Vancomycin, Cefazolin, *Staphylococcus aureus*·····437

Vancomycin powder, Surgical site infection, Orthopaedic surgery·····447

Vascularized bone graft, Scaphoid fracture, Trans-scaphoid lunate dislocation·····289

Vertebral augmentation, Cost-effectiveness, Osteoporotic vertebral fracture·····679

Vertebral fracture, Epidemiology, Hip fracture·····849

Vertebral fractures, Brain volume, Cohort study·····1333

Vertebral fractures, Osteoporosis, Epidemiological indices·····1265

Virtual reality, Kinesthetic illusion, Pain·····1151

Virtual reality (VR), Metaverse, XR (extended reality)·····1415

Vitamin D, Nutritional therapy, Calcium·····1289

Volume rendering method, Tendon rupture, 3D-CT (three dimensional CT)·····75

VR (virtual reality), Metaverse, XR (extended reality)·····1415

W

Walking, Low back pain, Shoes·····183

Walking function, Hip fracture, Sarcopenia·····1337

Waveform derivation, Spinal metastasis, Intraoperative neurophysiological monitoring·····801

X

XR (extended reality), VR (virtual reality), Metaverse·····1415

Y

Young patient, Osteoarthritis of the hip, Surgery·····267

Z

Zoledronate, Romosozumab, Abaloparatide·····1305