



A

**ABSORBABLE IMPLANTS**

- bacterial adherence to titanium, poly-L-lactic acid, and composite hydroxyapatite and poly-L-lactic acid interference screws (Masini, et al.), 21: 237
- pretibial cyst formation after anterior cruciate ligament reconstruction with poly-L-lactic acid screw fixation: a case report presentation and review of the literature (Apostolopoulos, et al.), 21: 151

**ABSTRACTS**

- publication rate of presentations at an annual military orthopaedic meeting (Schoenfeld, et al.), 21: 204
- publication rates of abstracts presented at the annual meeting of the Society of Military Orthopaedic Surgeons (Fuller, et al.), 21: 88

**ACCIDENTS, TRAFFIC**

- traumatic bilateral testicular dislocation associated with an anterior posterior compression fracture of the pelvis: a case report (Smith, Rosenbaum, and Harris), 21: 162

**ACHILLES TENDON**

- endoscopic calcaneoplasty: an improved technique (Labib and Pendleton), 21: 176

**AIR AMBULANCES**

- pigs in space: compartment syndrome and aeromedical evacuation (letter) (Tourtier, et al.), 21: 282

**ALENDRONATE**

- osteosarcoma diagnostic delay associated with alendronate-induced pain relief: case report (Carter and Ward), 21: 165

**ALTITUDE**

- pigs in space: compartment syndrome and aeromedical evacuation (letter) (Tourtier, et al.), 21: 282

**AMBULATORY SURGICAL PROCEDURES**

- ethyl chloride improves antiseptic effect of betadine skin preparation for office procedures (Azar, et al.), 21: 84
- a new surgical method for treating patients with refractory external snapping hip: Pedersen–Noor operation (Sayed-Noor, Pedersen, and Sjöden), 21: 132

**AMPUTATION**

- tibiofibular bone-bridging osteoplasty in transtibial amputation: case report and description of technique (Malloy, et al.), 21: 270

**AMPUTATION, TRAUMATIC**

- See also **PROSTHESES AND IMPLANTS**
- advanced rehabilitation techniques for the multi-limb amputee (Harvey, et al), 21: 50
- combat-related hemipelvectomy (D'Alleyrand, et al), 21: 38
- complex dismantled IED blast injuries: the initial management of bilateral lower extremity amputations with and without pelvic and perineal involvement (Mamczak and Elster), 21: 8
- dismounted complex blast injuries: patterns of injuries and resource utilization associated with the multiple extremity amputee (Fleming, et al), 21: 32
- dismounted complex blast injury (Andersen, et al), 21: 2
- ligamentous knee injuries in amputees (Kilcoyne, et al), 21: 44
- resuscitation and blood utilization guidelines for the multiply injured, multiple amputee (Alfieri, Elster, and Dunne), 21: 15

**ANKLE SPRAINS**

- common peroneal nerve palsy after grade I inversion ankle sprain: case report (Mitsiokapa, et al.), 21: 261

**ANTERIOR CRUCIATE LIGAMENT**

- ligamentous knee injuries in amputees (Kilcoyne, et al), 21: 44
- pretibial cyst formation after anterior cruciate ligament reconstruction with poly-L-lactic acid screw fixation: a case report presentation and review of the literature (Apostolopoulos, et al.), 21: 151

**ANTI-INFECTIVE AGENTS, LOCAL**

- ethyl chloride improves antiseptic effect of betadine skin preparation for office procedures (Azar, et al.), 21: 84

**ARTHRITIS**

See **OSTEOARTHRITIS**

**ARTHRODESIS**

- first metatarsophalangeal arthrodesis: a biomechanical comparison of three fixation constructs (Foote, et al.), 21: 223

**ARTHROEREISIS**

- outcomes of subtalar arthroereisis for the planovalgus foot: case report (Hazany, et al.), 21: 147

**ARTHROPLASTY, REPLACEMENT**

- ceramic interpositional arthroplasty for fourth and fifth tarsometatarsal joint arthritis (Viens, Adams, and Nunley), 21: 126

**ARTHROPLASTY, REPLACEMENT, HIP**

- high performance of metal-on-metal bearings: a case report (Woon and Amstutz), 21: 170
- learning curve for the anterior approach total hip arthroplasty (Goytia, Jones, and Hungerford), 21: 78
- prevalence of femoroacetabular impingement in younger patients undergoing total hip arthroplasty (Bowler and Flandry), 21: 122
- role of diabetes type in perioperative outcomes after hip and knee arthroplasty in the United States (Viens, et al.), 21: 253

**ARTHROPLASTY, REPLACEMENT, KNEE**

- computer-assisted reduction method for periprosthetic distal femur fracture: case report (Caputo, et al.), 21: 102
- role of diabetes type in perioperative outcomes after hip and knee arthroplasty in the United States (Viens, et al.), 21: 253

**ARTHROPLASTY, SUBCHONDRAL**

- arthroscopic treatment of osteochondral lesions of the talus: microfracture and drilling versus debridement (Backus, Viens, and Nunley), 21: 218

**ARTHROSCOPY**

- arthroscopic treatment of osteochondral lesions of the talus: microfracture and drilling versus debridement (Backus, Viens, and Nunley), 21: 218
- endoscopic calcaneoplasty: an improved technique (Labib and Pendleton), 21: 176
- knee popping and clicking in a pediatric athlete: meniscal injury or sports tumor? (case report) (Plakke, Hennrikus, and Frauenhoffer), 21: 275

**ARTHROSIS**

See **JOINT DISEASE**

**ATHLETES**

- free vascularized fibular grafting preserves athletic activity level in patients with osteonecrosis (Sabesan, et al.), 21: 242
- knee popping and clicking in a pediatric athlete: meniscal injury or sports tumor? (case report) (Plakke, Hennrikus, and Frauenhoffer), 21: 275

**ATMOSPHERIC PRESSURE**

- pigs in space: compartment syndrome and aeromedical evacuation (letter) (Tourtier, et al.), 21: 282

**ATRIA**

See **HEART ATRIA**

**B**

**BACTERIAL ADHESION**

- bacterial adherence to titanium, poly-L-lactic acid, and composite hydroxyapatite and poly-L-lactic acid interference screws (Masini, et al.), 21: 237

**BETADINE**

See **POVIDONE-IODINE**

**BIODEGRADABLE IMPLANTS**

See **ABSORBABLE IMPLANTS**

**BIOMECHANICS**

- a biomechanical study of two different pedicle screw methods for fixation in osteoporotic and nonosteoporotic vertebrae (Higashino, et al.), 21: 198
- first metatarsophalangeal arthrodesis: a biomechanical comparison of three fixation constructs (Foote, et al.), 21: 223
- role of coracoacromial ligament and related structures in glenohumeral stability: a cadaveric study (Moorman, et al.), 21: 210

## BLAST INJURIES

- advanced rehabilitation techniques for the multi-limb amputee (Harvey, et al), 21: 50
- combat orthopaedics for the civilian provider, with special emphasis on the dismounted complex blast injury (editorial) (Forsberg), 21: 1
- combat-related hemipelvectomy (D'Alleyrand, et al), 21: 38
- complex dismounted IED blast injuries: the initial management of bilateral lower extremity amputations with and without pelvic and perineal involvement (Mamczak and Elster), 21: 8
- dismounted complex blast injuries: patterns of injuries and resource utilization associated with the multiple extremity amputee (Fleming, et al), 21: 32
- dismounted complex blast injury (Andersen, et al), 21: 2
- ligamentous knee injuries in amputees (Kilcoyne, et al), 21: 44

## BLOOD COMPONENT TRANSFUSION

- resuscitation and blood utilization guidelines for the multiply injured, multiple amputee (Alfieri, Elster, and Dunne), 21: 15

## BONE CYSTS

- pretibial cyst formation after anterior cruciate ligament reconstruction with poly-L-lactic acid screw fixation: a case report presentation and review of the literature (Apostolopoulos, et al.), 21: 151

## BONE NAILS

- use of temporary external fixation to generate a "customized"osteotomy of proximal femur in pediatric patients: technical tip (Mooney), 21: 279

## BONE PLATES

- first metatarsophalangeal arthrodesis: a biomechanical comparison of three fixation constructs (Foote, et al.), 21: 223
- submuscular locked plating of pediatric femur fractures (Wilson, et al.), 21: 136
- use of temporary external fixation to generate a "customized"osteotomy of proximal femur in pediatric patients: technical tip (Mooney), 21: 279

## BONE SCREWS

- bacterial adherence to titanium, poly-L-lactic acid, and composite hydroxyapatite and poly-L-lactic acid interference screws (Masini, et al.), 21: 237
- a biomechanical study of two different pedicle screw methods for fixation in osteoporotic and nonosteoporotic vertebrae (Higashino, et al.), 21: 198
- first metatarsophalangeal arthrodesis: a biomechanical comparison of three fixation constructs (Foote, et al.), 21: 223
- pretibial cyst formation after anterior cruciate ligament reconstruction with poly-L-lactic acid screw fixation: a case report presentation and review of the literature (Apostolopoulos, et al.), 21: 151
- use of temporary external fixation to generate a "customized"osteotomy of proximal femur in pediatric patients: technical tip (Mooney), 21: 279

## C

### CADAVER

- role of coracoacromial ligament and related structures in glenohumeral stability: a cadaveric study (Moorman, et al.), 21: 210

### CALCANEUS

- endoscopic calcaneoplasty: an improved technique (Labib and Pendleton), 21: 176

### CAPSULE

- See JOINT CAPSULE

### CARPAL TUNNEL SYNDROME

- an evidence-based review of a single surgeon's experience with endoscopic carpal tunnel release (Sabesan, et al.), 21: 117
- median nerve entrapment and ulnar nerve palsy following elbow dislocation in a child: case report (Petratos, et al.), 21: 157

### CARTILAGE DISEASES

- arthroscopic treatment of osteochondral lesions of the talus: microfracture and drilling versus debridement (Backus, Viens, and Nunley), 21: 218

### CERAMICS

- ceramic interpositional arthroplasty for fourth and fifth tarsometatarsal joint arthritis (Viens, Adams, and Nunley), 21: 126

### CHILD

- knee popping and clicking in a pediatric athlete: meniscal injury or sports tumor? (case report) (Plakke, Hennrikus, and Frauenhoffer), 21: 275
- median nerve entrapment and ulnar nerve palsy following elbow dislocation in a child: case report (Petratos, et al.), 21: 157
- outcomes of subtalar arthroereisis for the planovalgus foot: case report (Hazany, et al.), 21: 147
- submuscular locked plating of pediatric femur fractures (Wilson, et al.), 21: 136

- use of temporary external fixation to generate a "customized"osteotomy of proximal femur in pediatric patients: technical tip (Mooney), 21: 279

## CLINICAL PROTOCOLS

- effect of aftercare regimen with extensor tendon repair: a systematic review of the literature (Hammond, et al.), 21: 246

## COLLATERAL LIGAMENTS

- ligamentous and capsular injuries to the metacarpophalangeal joints of the hand (Shah, et al.), 21: 141
- ligamentous knee injuries in amputees (Kilcoyne, et al), 21: 44
- simultaneous reconstruction of both medial and lateral collateral ligament complexes for recurrent instability of elbow dislocation: a case report (Jupiter and Baptista), 21: 266

## COMBAT BLAST INJURY

- See BLAST INJURIES

## COMPARTMENT SYNDROMES

- pigs in space: compartment syndrome and aeromedical evacuation (letter) (Tourtier, et al.), 21: 282

## COMPLEX BLAST INJURY, DISMOUNTED

- See BLAST INJURIES

## COMPRESSION SCREW

- See BONE SCREWS

## COMPUTER-ASSISTED SURGERY

- See SURGERY, COMPUTER-ASSISTED

## COMPUTERIZED TOMOGRAPHY

- See TOMOGRAPHY, X-RAY COMPUTED

## CORACOACROMIAL LIGAMENT

- role of coracoacromial ligament and related structures in glenohumeral stability: a cadaveric study (Moorman, et al.), 21: 210

## CRUCIATE LIGAMENTS

- See ANTERIOR CRUCIATE LIGAMENT; POSTERIOR CRUCIATE LIGAMENT

## D

### DAMAGE CONTROL ORTHOPEDICS

- See EMERGENCY TREATMENT

### DEBRIDEMENT

- arthroscopic treatment of osteochondral lesions of the talus: microfracture and drilling versus debridement (Backus, Viens, and Nunley), 21: 218
- combat-related hemipelvectomy (D'Alleyrand, et al), 21: 38

### DELAYED DIAGNOSIS

- osteosarcoma diagnostic delay associated with alendronate-induced pain relief: case report (Carter and Ward), 21: 165

### DIABETES MELLITUS

- role of diabetes type in perioperative outcomes after hip and knee arthroplasty in the United States (Viens, et al.), 21: 253

### DIAGNOSIS

- osteosarcoma diagnostic delay associated with alendronate-induced pain relief: case report (Carter and Ward), 21: 165

### DISLOCATIONS

- ligamentous and capsular injuries to the metacarpophalangeal joints of the hand (Shah, et al.), 21: 141
- median nerve entrapment and ulnar nerve palsy following elbow dislocation in a child: case report (Petratos, et al.), 21: 157
- simultaneous reconstruction of both medial and lateral collateral ligament complexes for recurrent instability of elbow dislocation: a case report (Jupiter and Baptista), 21: 266
- traumatic bilateral testicular dislocation associated with an anterior posterior compression fracture of the pelvis: a case report (Smith, Rosenbaum, and Harris), 21: 162

### DISMOUNTED COMPLEX BLAST INJURY

- See BLAST INJURIES

### DRILLING, SUBCHONDRAL

- See ARTHROPLASTY, SUBCHONDRAL

### DURAPATITE

- bacterial adherence to titanium, poly-L-lactic acid, and composite hydroxyapatite and poly-L-lactic acid interference screws (Masini, et al.), 21: 237

## E

### ELBOW JOINT

- median nerve entrapment and ulnar nerve palsy following elbow dislocation in a child: case report (Petratos, et al.), 21: 157

- simultaneous reconstruction of both medial and lateral collateral ligament complexes for recurrent instability of elbow dislocation: a case report (Jupiter and Baptista), 21: 266
- EMERGENCY TREATMENT**
- combat-related hemipelvectomy (D'Alleyrand, et al), 21: 38
  - complex dismantled IED blast injuries: the initial management of bilateral lower extremity amputations with and without pelvic and perineal involvement (Mamczak and Elster), 21: 8
  - damage control and austere environment external fixation: techniques for the civilian provider (Gordon, Grijalva, and Potter), 21: 22
  - dismounted complex blast injury (Andersen, et al), 21: 2
  - resuscitation and blood utilization guidelines for the multiply injured, multiple amputee (Alfieri, Elster, and Dunne), 21: 15
- ENDOSCOPY**
- an evidence-based review of a single surgeon's experience with endoscopic carpal tunnel release (Sabesan, et al.), 21: 117
  - endoscopic calcaneoplasty: an improved technique (Labib and Pendleton), 21: 176
- ERTL PROCEDURE**
- tibiofibular bone-bridging osteoplasty in transtibial amputation: case report and description of technique (Malloy, et al.), 21: 270
- ETHYL CHLORIDE**
- ethyl chloride improves antiseptic effect of betadine skin preparation for office procedures (Azar, et al.), 21: 84
- EVIDENCE-BASED MEDICINE**
- an evidence-based review of a single surgeon's experience with endoscopic carpal tunnel release (Sabesan, et al.), 21: 117
- EXERCISE**
- free vascularized fibular grafting preserves athletic activity level in patients with osteonecrosis (Sabesan, et al.), 21: 242
  - high performance of metal-on-metal bearings: a case report (Woon and Amstutz), 21: 170
- EXTENSOR TENDONS**
- effect of aftercare regimen with extensor tendon repair: a systematic review of the literature (Hammond, et al.), 21: 246
- EXTERNAL FIXATORS**
- damage control and austere environment external fixation: techniques for the civilian provider (Gordon, Grijalva, and Potter), 21: 22
  - use of temporary external fixation to generate a "customized" osteotomy of proximal femur in pediatric patients: technical tip (Mooney), 21: 279
- F**
- FACETECTOMY**
- lumbar synovial cysts (Mavrogenis, et al.), 21: 232
- FASCIOTOMY**
- damage control and austere environment external fixation: techniques for the civilian provider (Gordon, Grijalva, and Potter), 21: 22
- FEMORAL FRACTURES**
- computer-assisted reduction method for periprosthetic distal femur fracture: case report (Caputo, et al.), 21: 102
  - damage control and austere environment external fixation: techniques for the civilian provider (Gordon, Grijalva, and Potter), 21: 22
  - submuscular locked plating of pediatric femur fractures (Wilson, et al.), 21: 136
- FEMOROACETABULAR IMPINGEMENT**
- prevalence of femoroacetabular impingement in younger patients undergoing total hip arthroplasty (Bowler and Flandry), 21: 122
- FEMUR**
- free vascularized fibular grafting preserves athletic activity level in patients with osteonecrosis (Sabesan, et al.), 21: 242
  - use of temporary external fixation to generate a "customized" osteotomy of proximal femur in pediatric patients: technical tip (Mooney), 21: 279
- FIBULA**
- free vascularized fibular grafting preserves athletic activity level in patients with osteonecrosis (Sabesan, et al.), 21: 242
  - tibiofibular bone-bridging osteoplasty in transtibial amputation: case report and description of technique (Malloy, et al.), 21: 270
- FIXATION DEVICES**
- See EXTERNAL FIXATORS; FRACTURE FIXATION; ORTHOPEDIC FIXATION DEVICES
- FLATFOOT**
- outcomes of subtalar arthroereisis for the planovalgus foot: case report (Hazany, et al.), 21: 147
- FLUOROSCOPY**
- computer navigation in orthopedic trauma: safer surgeries with less irradiation and more precision (Akins, Abdelgawad, and Kanlic), 21: 187
- FOOT**
- ceramic interpositional arthroplasty for fourth and fifth tarsometatarsal joint arthritis (Viens, Adams, and Nunley), 21: 126
  - outcomes of subtalar arthroereisis for the planovalgus foot: case report (Hazany, et al.), 21: 147
- FRACTURE FIXATION**
- computer-assisted reduction method for periprosthetic distal femur fracture: case report (Caputo, et al.), 21: 102
  - submuscular locked plating of pediatric femur fractures (Wilson, et al.), 21: 136
- FRACTURES, BONE**
- See SPECIFIC BONE
- FRACTURES, COMPRESSION**
- traumatic bilateral testicular dislocation associated with an anterior posterior compression fracture of the pelvis: a case report (Smith, Rosenbaum, and Harris), 21: 162
- FREE VASCULARIZED FIBULAR GRAFT**
- See SURGICAL FLAPS
- G**
- GLENOHUMERAL JOINT**
- See SHOULDER JOINT
- H**
- HAGLUND'S SYNDROME**
- endoscopic calcaneoplasty: an improved technique (Labib and Pendleton), 21: 176
- HAND INJURIES**
- ligamentous and capsular injuries to the metacarpophalangeal joints of the hand (Shah, et al.), 21: 141
- HEART ATRIA**
- osteosarcoma invasion of the inferior vena cava and right atrium: case report (Mavrogenis, et al.), 21: 107
- HEMIPELVECTOMY**
- combat-related hemipelvectomy (D'Alleyrand, et al), 21: 38
- HIP ARTHROPLASTY, TOTAL**
- See ARTHROPLASTY, REPLACEMENT, HIP
- HIP FRACTURES**
- damage control and austere environment external fixation: techniques for the civilian provider (Gordon, Grijalva, and Potter), 21: 22
- HIP JOINT**
- a new surgical method for treating patients with refractory external snapping hip: Pedersen–Noor operation (Sayed-Noor, Pedersen, and Sjöden), 21: 132
- HIP PROSTHESIS**
- high performance of metal-on-metal bearings: a case report (Woon and Amstutz), 21: 170
- HUMERAL FRACTURES**
- damage control and austere environment external fixation: techniques for the civilian provider (Gordon, Grijalva, and Potter), 21: 22
- HYDROXYAPATITE**
- See DURAPATITE
- I**
- ILIOTIBIAL BAND**
- a new surgical method for treating patients with refractory external snapping hip: Pedersen–Noor operation (Sayed-Noor, Pedersen, and Sjöden), 21: 132
- IMMOBILIZATION**
- effect of aftercare regimen with extensor tendon repair: a systematic review of the literature (Hammond, et al.), 21: 246
- IMPLANTS**
- See ABSORBABLE IMPLANTS; PROSTHESES AND IMPLANTS
- INFECTION**
- bacterial adherence to titanium, poly-L-lactic acid, and composite hydroxyapatite and poly-L-lactic acid interference screws (Masini, et al.), 21: 237
- INITIAL MANAGEMENT**
- See EMERGENCY TREATMENT
- INJURIES**

See WOUNDS AND INJURIES  
INSTABILITY  
See JOINT INSTABILITY  
INTERFERENCE SCREWS  
See BONE SCREWS  
INTRAOPERATIVE PERIOD  
computer navigation in orthopedic trauma: safer surgeries with less irradiation and more precision (Akins, Abdelgawad, and Kanlic), 21: 187

## J

JOINT CAPSULE  
ligamentous and capsular injuries to the metacarpophalangeal joints of the hand (Shah, et al.), 21: 141  
JOINT DISEASE  
prevalence of femoroacetabular impingement in younger patients undergoing total hip arthroplasty (Bowler and Flandry), 21: 122  
JOINT INSTABILITY  
role of coracoacromial ligament and related structures in glenohumeral stability: a cadaveric study (Moorman, et al.), 21: 210  
simultaneous reconstruction of both medial and lateral collateral ligament complexes for recurrent instability of elbow dislocation: a case report (Jupiter and Baptista), 21: 266  
JOINT PROSTHESIS  
See PROSTHESES AND IMPLANTS

## K

KNEE ARTHROPLASTY, TOTAL  
See ARTHROPLASTY, REPLACEMENT, KNEE  
KNEE INJURIES  
ligamentous knee injuries in amputees (Kilcoyne, et al), 21: 44  
KNEE JOINT  
knee popping and clicking in a pediatric athlete: meniscal injury or sports tumor? (case report) (Plakke, Hennrikus, and Frauenhoffer), 21: 275

## L

LACTIC ACID  
bacterial adherence to titanium, poly-L-lactic acid, and composite hydroxyapatite and poly-L-lactic acid interference screws (Masini, et al.), 21: 237  
pretibial cyst formation after anterior cruciate ligament reconstruction with poly-L-lactic acid screw fixation: a case report presentation and review of the literature (Apostolopoulos, et al.), 21: 151

## LEIOMYOSARCOMA

leiomyosarcoma of the somatic soft tissues (Radkowski, et al.), 21: 96

## LIGAMENTS, ARTICULAR

ligamentous and capsular injuries to the metacarpophalangeal joints of the hand (Shah, et al.), 21: 141  
ligamentous knee injuries in amputees (Kilcoyne, et al), 21: 44  
a new surgical method for treating patients with refractory external snapping hip: Pedersen–Noor operation (Sayed-Noor, Pedersen, and Sjöden), 21: 132  
pretibial cyst formation after anterior cruciate ligament reconstruction with poly-L-lactic acid screw fixation: a case report presentation and review of the literature (Apostolopoulos, et al.), 21: 151  
role of coracoacromial ligament and related structures in glenohumeral stability: a cadaveric study (Moorman, et al.), 21: 210  
simultaneous reconstruction of both medial and lateral collateral ligament complexes for recurrent instability of elbow dislocation: a case report (Jupiter and Baptista), 21: 266

## LIMB SALVAGE

dismounted complex blast injury (Andersen, et al), 21: 2

## LITERATURE REVIEW

computer navigation in orthopedic trauma: safer surgeries with less irradiation and more precision (Akins, Abdelgawad, and Kanlic), 21: 187  
effect of aftercare regimen with extensor tendon repair: a systematic review of the literature (Hammond, et al.), 21: 246  
publication rate of presentations at an annual military orthopaedic meeting (Schoenfeld, et al.), 21: 204

## LOCKING PLATE

See BONE PLATES

## LOWER EXTREMITY

complex dismantled IED blast injuries: the initial management of bilateral lower extremity amputations with and without pelvic and perineal involvement (Mamczak and Elster), 21: 8  
damage control and austere environment external fixation: techniques for the civilian provider (Gordon, Grijalva, and Potter), 21: 22

## LUMBAR VERTEBRAE

lumbar synovial cysts (Mavrogenis, et al.), 21: 232

## M

### MAGNETIC RESONANCE IMAGING

lumbar synovial cysts (Mavrogenis, et al.), 21: 232

### MECHANICAL TESTING

See STRESS, MECHANICAL

### MEDIAN NERVE ENTRAPMENT

See CARPAL TUNNEL SYNDROME

### MEETING ABSTRACTS

See ABSTRACTS

### MENISCI, TIBIAL

knee popping and clicking in a pediatric athlete: meniscal injury or sports tumor? (case report) (Plakke, Hennrikus, and Frauenhoffer), 21: 275

### METACARPOPHALANGEAL JOINTS

ligamentous and capsular injuries to the metacarpophalangeal joints of the hand (Shah, et al.), 21: 141

### METALS

high performance of metal-on-metal bearings: a case report (Woon and Amstutz), 21: 170

### METATARSAL BONES

ceramic interpositional arthroplasty for fourth and fifth tarsometatarsal joint arthritis (Viens, Adams, and Nunley), 21: 126

### METATARSOPHALANGEAL JOINT

first metatarsophalangeal arthrodesis: a biomechanical comparison of three fixation constructs (Foote, et al.), 21: 223

### MICROFRACTURE

See ARTHROPLASTY, SUBCHONDRAL

### MILITARY MEDICINE

advanced rehabilitation techniques for the multi-limb amputee (Harvey, et al), 21: 50

combat orthopaedics for the civilian provider, with special emphasis on the dismantled complex blast injury (editorial) (Forsberg), 21: 1

combat-related hemipelvectomy (D'Alleyrand, et al), 21: 38

complex dismantled IED blast injuries: the initial management of bilateral lower extremity amputations with and without pelvic and perineal involvement (Mamczak and Elster), 21: 8

damage control and austere environment external fixation: techniques for the civilian provider (Gordon, Grijalva, and Potter), 21: 22

dismounted complex blast injuries: patterns of injuries and resource utilization associated with the multiple extremity amputee (Fleming, et al), 21: 32

dismounted complex blast injury (Andersen, et al), 21: 2

ligamentous knee injuries in amputees (Kilcoyne, et al), 21: 44

pigs in space: compartment syndrome and aeromedical evacuation (letter) (Tourtier, et al.), 21: 282

prosthetic advances (Harvey, et al), 21: 58

publication rate of presentations at an annual military orthopaedic meeting (Schoenfeld, et al.), 21: 204

publication rates of abstracts presented at the annual meeting of the Society of Military Orthopaedic Surgeons (Fuller, et al.), 21: 88

resuscitation and blood utilization guidelines for the multiply injured, multiple amputee (Alfieri, Elster, and Dunne), 21: 15

### MOTORCYCLES

traumatic bilateral testicular dislocation associated with an anterior posterior compression fracture of the pelvis: a case report (Smith, Rosenbaum, and Harris), 21: 162

### MULTIPLE TRAUMA

advanced rehabilitation techniques for the multi-limb amputee (Harvey, et al), 21: 50

dismounted complex blast injuries: patterns of injuries and resource utilization associated with the multiple extremity amputee (Fleming, et al), 21: 32

resuscitation and blood utilization guidelines for the multiply injured, multiple amputee (Alfieri, Elster, and Dunne), 21: 15

## O

### OCCUPATIONAL THERAPY

advanced rehabilitation techniques for the multi-limb amputee (Harvey, et al), 21: 50

### OFFICE PROCEDURES

See AMBULATORY SURGICAL PROCEDURES

### ORTHOPEDIC FIXATION DEVICES

computer-assisted reduction method for periprosthetic distal femur fracture: case report (Caputo, et al.), 21: 102

damage control and austere environment external fixation: techniques for the civilian provider (Gordon, Grijalva, and Potter), 21: 22

submuscular locked plating of pediatric femur fractures (Wilson, et al.), 21: 136

use of temporary external fixation to generate a "customized"osteotomy of proximal femur in pediatric patients: technical tip (Mooney), 21: 279

### ORTHOPEDIC PROCEDURES

an evidence-based review of a single surgeon's experience with endoscopic carpal tunnel release (Sabesan, et al.), 21: 117

arthroscopic treatment of osteochondral lesions of the talus: microfracture and drilling versus debridement (Backus, Viens, and Nunley), 21: 218

a biomechanical study of two different pedicle screw methods for fixation in osteoporotic and nonosteoporotic vertebrae (Higashino, et al.), 21: 198

computer-assisted reduction method for periprosthetic distal femur fracture: case report (Caputo, et al.), 21: 102

computer navigation in orthopedic trauma: safer surgeries with less irradiation and more precision (Akins, Abdelgawad, and Kanlic), 21: 187

effect of aftercare regimen with extensor tendon repair: a systematic review of the literature (Hammond, et al.), 21: 246

endoscopic calcaneoplasty: an improved technique (Labib and Pendleton), 21: 176

ethyl chloride improves antiseptic effect of betadine skin preparation for office procedures (Azar, et al.), 21: 84

lumbar synovial cysts (Mavrogenis, et al.), 21: 232

a new surgical method for treating patients with refractory external snapping hip: Pedersen–Noor operation (Sayed-Noor, Pedersen, and Sjödnén), 21: 132

oblique step ulnar shortening osteotomy for management of posttraumatic ulnar impaction (Rodriguez and Eglseder), 21: 67

simultaneous reconstruction of both medial and lateral collateral ligament complexes for recurrent instability of elbow dislocation: a case report (Jupiter and Baptista), 21: 266

tibiofibular bone-bridging osteoplasty in transtibial amputation: case report and description of technique (Malloy, et al.), 21: 270

use of temporary external fixation to generate a "customized"osteotomy of proximal femur in pediatric patients: technical tip (Mooney), 21: 279

### OSTEITIS DEFORMANS

osteosarcoma diagnostic delay associated with alendronate-induced pain relief: case report (Carter and Ward), 21: 165

### OSTEOARTHRITIS

ceramic interpositional arthroplasty for fourth and fifth tarsometatarsal joint arthritis (Viens, Adams, and Nunley), 21: 126

prevalence of femoroacetabular impingement in younger patients undergoing total hip arthroplasty (Bowler and Flandry), 21: 122

### OSTEOCHONDRAL LESIONS

See CARTILAGE DISEASES

### OSTEONECROSIS

free vascularized fibular grafting preserves athletic activity level in patients with osteonecrosis (Sabesan, et al.), 21: 242

### OSTEOPOROSIS

a biomechanical study of two different pedicle screw methods for fixation in osteoporotic and nonosteoporotic vertebrae (Higashino, et al.), 21: 198

### OSTEOSARCOMA

osteosarcoma diagnostic delay associated with alendronate-induced pain relief: case report (Carter and Ward), 21: 165

osteosarcoma invasion of the inferior vena cava and right atrium: case report (Mavrogenis, et al.), 21: 107

### OSTEOTOMY

oblique step ulnar shortening osteotomy for management of posttraumatic ulnar impaction (Rodriguez and Eglseder), 21: 67

use of temporary external fixation to generate a "customized"osteotomy of proximal femur in pediatric patients: technical tip (Mooney), 21: 279

### OUTCOME ASSESSMENT

See TREATMENT OUTCOME

## P

### PAGET DISEASE OF BONE

See OSTEITIS DEFORMANS

### PAIN

arthroscopic treatment of osteochondral lesions of the talus: microfracture and drilling versus debridement (Backus, Viens, and Nunley), 21: 218

osteosarcoma diagnostic delay associated with alendronate-induced pain relief: case report (Carter and Ward), 21: 165

### PATIENT SAFETY

See SAFETY

### PEDERSEN–NOOR OPERATION

a new surgical method for treating patients with refractory external snapping hip: Pedersen–Noor operation (Sayed-Noor, Pedersen, and Sjödnén), 21: 132

### PEDIATRICS

See CHILD

### PEDICLE SCREW

See BONE SCREWS

### PELVIC BONES

damage control and austere environment external fixation: techniques for the civilian provider (Gordon, Grijalva, and Potter), 21: 22

dismounted complex blast injury (Andersen, et al), 21: 2

### PELVIS

combat-related hemipelvectomy (D'Alleyrand, et al), 21: 38

complex dismounted IED blast injuries: the initial management of bilateral lower extremity amputations with and without pelvic and perineal involvement (Mamczak and Elster), 21: 8

traumatic bilateral testicular dislocation associated with an anterior posterior compression fracture of the pelvis: a case report (Smith, Rosenbaum, and Harris), 21: 162

### PERINEUM

complex dismounted IED blast injuries: the initial management of bilateral lower extremity amputations with and without pelvic and perineal involvement (Mamczak and Elster), 21: 8

### PERIOPERATIVE PERIOD

role of diabetes type in perioperative outcomes after hip and knee arthroplasty in the United States (Viens, et al.), 21: 253

### PERIPROSTHETIC FRACTURES

computer-assisted reduction method for periprosthetic distal femur fracture: case report (Caputo, et al.), 21: 102

### PERONEAL NEUROPATHIES

common peroneal nerve palsy after grade I inversion ankle sprain: case report (Mitsiokapa, et al.), 21: 261

### PHYSICAL FITNESS

high performance of metal-on-metal bearings: a case report (Woon and Amstutz), 21: 170

### PHYSICAL THERAPY MODALITIES

advanced rehabilitation techniques for the multi-limb amputee (Harvey, et al), 21: 50

### PIGMENTED VILLONODULAR SYNOVITIS

knee popping and clicking in a pediatric athlete: meniscal injury or sports tumor? (case report) (Plakke, Hennrikus, and Frauenhoffer), 21: 275

### PLANOVALGUS FOOT

See FLATFOOT

### PLATING

See BONE PLATES

### POLYMERS

bacterial adherence to titanium, poly-L-lactic acid, and composite hydroxyapatite and poly-L-lactic acid interference screws (Masini, et al.), 21: 237

pretibial cyst formation after anterior cruciate ligament reconstruction with poly-L-lactic acid screw fixation: a case report presentation and review of the literature (Apostolopoulos, et al.), 21: 151

### POSTERIOR CRUCIATE LIGAMENT

ligamentous knee injuries in amputees (Kilcoyne, et al), 21: 44

### POSTOPERATIVE CARE

effect of aftercare regimen with extensor tendon repair: a systematic review of the literature (Hammond, et al.), 21: 246

### POSTOPERATIVE COMPLICATIONS

effect of aftercare regimen with extensor tendon repair: a systematic review of the literature (Hammond, et al.), 21: 246

role of diabetes type in perioperative outcomes after hip and knee arthroplasty in the United States (Viens, et al.), 21: 253

**POVIDONE-IODINE**  
ethyl chloride improves antiseptic effect of betadine skin preparation for office procedures (Azar, et al.), 21: 84

**PROSTHESES AND IMPLANTS**  
advanced rehabilitation techniques for the multi-limb amputee (Harvey, et al), 21: 50  
computer-assisted reduction method for periprosthetic distal femur fracture: case report (Caputo, et al.), 21: 102  
outcomes of subtalar arthroereisis for the planovalgus foot: case report (Hazany, et al.), 21: 147  
prosthetic advances (Harvey, et al), 21: 58

**PROSTHESIS DESIGN**  
high performance of metal-on-metal bearings: a case report (Woon and Amstutz), 21: 170  
prosthetic advances (Harvey, et al), 21: 58

**PROSTHESIS FITTING**  
advanced rehabilitation techniques for the multi-limb amputee (Harvey, et al), 21: 50

**PUBLICATIONS**  
publication rate of presentations at an annual military orthopaedic meeting (Schoenfeld, et al.), 21: 204  
publication rates of abstracts presented at the annual meeting of the Society of Military Orthopaedic Surgeons (Fuller, et al.), 21: 88

**R**

**RADIATION DOSAGE**  
computer navigation in orthopedic trauma: safer surgeries with less irradiation and more precision (Akins, Abdelgawad, and Kanlic), 21: 187

**RADIOGRAPHY**  
prevalence of femoroacetabular impingement in younger patients undergoing total hip arthroplasty (Bowler and Flandry), 21: 122

**RADIUS**  
quantification of radial torsion angle with computerized tomography: a clinical study (Hayes, et al.), 21: 92

**RADIUS FRACTURES**  
quantification of radial torsion angle with computerized tomography: a clinical study (Hayes, et al.), 21: 92

**RECONSTRUCTIVE SURGICAL PROCEDURES**  
simultaneous reconstruction of both medial and lateral collateral ligament complexes for recurrent instability of elbow dislocation: a case report (Jupiter and Baptista), 21: 266

**REHABILITATION**  
advanced rehabilitation techniques for the multi-limb amputee (Harvey, et al), 21: 50  
effect of aftercare regimen with extensor tendon repair: a systematic review of the literature (Hammond, et al.), 21: 246  
ligamentous knee injuries in amputees (Kilcoyne, et al), 21: 44

**RESUSCITATION**  
dismounted complex blast injury (Andersen, et al), 21: 2  
resuscitation and blood utilization guidelines for the multiply injured, multiple amputee (Alfieri, Elster, and Dunne), 21: 15

**S**

**SAFETY**  
computer navigation in orthopedic trauma: safer surgeries with less irradiation and more precision (Akins, Abdelgawad, and Kanlic), 21: 187

**SAWBONES MODEL**  
first metatarsophalangeal arthrodesis: a biomechanical comparison of three fixation constructs (Foote, et al.), 21: 223

**SHOULDER JOINT**  
role of coracoacromial ligament and related structures in glenohumeral stability: a cadaveric study (Moorman, et al.), 21: 210

**SNAPPING HIP**  
a new surgical method for treating patients with refractory external snapping hip: Pedersen–Noor operation (Sayed-Noor, Pedersen, and Sjödnén), 21: 132

**SOCIETY OF MILITARY ORTHOPAEDIC SURGEONS**  
publication rate of presentations at an annual military orthopaedic meeting (Schoenfeld, et al.), 21: 204  
publication rates of abstracts presented at the annual meeting of the Society of Military Orthopaedic Surgeons (Fuller, et al.), 21: 88

**SOFT TISSUE NEOPLASMS**  
leiomyosarcoma of the somatic soft tissues (Radkowski, et al.), 21: 96

**SPINAL FUSION**  
lumbar synovial cysts (Mavrogenis, et al.), 21: 232

**SPIKE**  
a biomechanical study of two different pedicle screw methods for fixation in osteoporotic and nonosteoporotic vertebrae (Higashino, et al.), 21: 198  
lumbar synovial cysts (Mavrogenis, et al.), 21: 232

**SPLINTS**  
effect of aftercare regimen with extensor tendon repair: a systematic review of the literature (Hammond, et al.), 21: 246

**SPORTS**  
free vascularized fibular grafting preserves athletic activity level in patients with osteonecrosis (Sabesan, et al.), 21: 242  
high performance of metal-on-metal bearings: a case report (Woon and Amstutz), 21: 170  
knee popping and clicking in a pediatric athlete: meniscal injury or sports tumor? (case report) (Plakke, Hennrikus, and Frauenhoffer), 21: 275

**STRESS, MECHANICAL**  
first metatarsophalangeal arthrodesis: a biomechanical comparison of three fixation constructs (Foote, et al.), 21: 223

**SUBTALAR JOINT**  
outcomes of subtalar arthroereisis for the planovalgus foot: case report (Hazany, et al.), 21: 147

**SURGERY, COMPUTER-ASSISTED**  
computer-assisted reduction method for periprosthetic distal femur fracture: case report (Caputo, et al.), 21: 102  
computer navigation in orthopedic trauma: safer surgeries with less irradiation and more precision (Akins, Abdelgawad, and Kanlic), 21: 187

**SURGICAL FLAPS**  
free vascularized fibular grafting preserves athletic activity level in patients with osteonecrosis (Sabesan, et al.), 21: 242

**SURGICAL PROCEDURES, OPERATIVE**  
See **ORTHOPAEDIC PROCEDURES**

**SWINE**  
pigs in space: compartment syndrome and aeromedical evacuation (letter) (Tourtier, et al.), 21: 282

**SYNOVIAL CYST**  
lumbar synovial cysts (Mavrogenis, et al.), 21: 232

**SYNOVITIS, PIGMENTED VILLONODULAR**  
knee popping and clicking in a pediatric athlete: meniscal injury or sports tumor? (case report) (Plakke, Hennrikus, and Frauenhoffer), 21: 275

**T**

**TALUS**  
arthroscopic treatment of osteochondral lesions of the talus: microfracture and drilling versus debridement (Backus, Viens, and Nunley), 21: 218

**TARSAL JOINTS**  
ceramic interpositional arthroplasty for fourth and fifth tarsometatarsal joint arthritis (Viens, Adams, and Nunley), 21: 126

**TENDON INJURIES**  
effect of aftercare regimen with extensor tendon repair: a systematic review of the literature (Hammond, et al.), 21: 246

**TESTIS**  
traumatic bilateral testicular dislocation associated with an anterior posterior compression fracture of the pelvis: a case report (Smith, Rosenbaum, and Harris), 21: 162

**THORACIC VERTEBRAE**  
a biomechanical study of two different pedicle screw methods for fixation in osteoporotic and nonosteoporotic vertebrae (Higashino, et al.), 21: 198

**TIBIA**  
pretibial cyst formation after anterior cruciate ligament reconstruction with poly-L-lactic acid screw fixation: a case report presentation and review of the literature (Apostolopoulos, et al.), 21: 151  
tibiofibular bone-bridging osteoplasty in transtibial amputation: case report and description of technique (Malloy, et al.), 21: 270

**TIBIAL FRACTURES**  
damage control and austere environment external fixation: techniques for the civilian provider (Gordon, Grijalva, and Potter), 21: 22

**TITANIUM**  
bacterial adherence to titanium, poly-L-lactic acid, and composite hydroxyapatite and poly-L-lactic acid interference screws (Masini, et al.), 21: 237

#### TOMOGRAPHY, X-RAY COMPUTED

quantification of radial torsion angle with computerized tomography: a clinical study (Hayes, et al.), 21: 92

#### TORSION ABNORMALITY

quantification of radial torsion angle with computerized tomography: a clinical study (Hayes, et al.), 21: 92

#### TRAUMA

See WOUNDS AND INJURIES

#### TREATMENT OUTCOME

an evidence-based review of a single surgeon's experience with endoscopic carpal tunnel release (Sabesan, et al.), 21: 117

effect of aftercare regimen with extensor tendon repair: a systematic review of the literature (Hammond, et al.), 21: 246

lumbar synovial cysts (Mavrogenis, et al.), 21: 232

oblique step ulnar shortening osteotomy for management of posttraumatic ulnar impaction (Rodríguez and Eglseeder), 21: 67

outcomes of subtalar arthroereisis for the planovalgus foot: case report (Hazany, et al.), 21: 147

role of diabetes type in perioperative outcomes after hip and knee arthroplasty in the United States (Viens, et al.), 21: 253

#### U

##### ULNA

oblique step ulnar shortening osteotomy for management of posttraumatic ulnar impaction (Rodríguez and Eglseeder), 21: 67

##### ULNAR NEUROPATHIES

median nerve entrapment and ulnar nerve palsy following elbow dislocation in a child: case report (Petratos, et al.), 21: 157

#### V

##### VENA CAVA, INFERIOR

osteosarcoma invasion of the inferior vena cava and right atrium: case report (Mavrogenis, et al.), 21: 107

#### VERTEBRAE

See SPINE

#### VOLAR PLATE

ligamentous and capsular injuries to the metacarpophalangeal joints of the hand (Shah, et al.), 21: 141

#### W

##### WEIGHT-BEARING

first metatarsophalangeal arthrodesis: a biomechanical comparison of three fixation constructs (Foote, et al.), 21: 223

##### WOUND CLOSURE TECHNIQUES

combat-related hemipelvectomy (D'Alleyrand, et al), 21: 38

##### WOUNDS AND INJURIES

See also BLAST INJURIES; MULTIPLE TRAUMA

arthroscopic treatment of osteochondral lesions of the talus: microfracture and drilling versus debridement (Backus, Viens, and Nunley), 21: 218

computer navigation in orthopedic trauma: safer surgeries with less irradiation and more precision (Akins, Abdelgawad, and Kanlic), 21: 187

damage control and austere environment external fixation: techniques for the civilian provider (Gordon, Grijalva, and Potter), 21: 22

knee popping and clicking in a pediatric athlete: meniscal injury or sports tumor? (case report) (Plakke, Hennrikus, and Frauenhoffer), 21: 275

ligamentous and capsular injuries to the metacarpophalangeal joints of the hand (Shah, et al.), 21: 141

oblique step ulnar shortening osteotomy for management of posttraumatic ulnar impaction (Rodríguez and Eglseeder), 21: 67

traumatic bilateral testicular dislocation associated with an anterior posterior compression fracture of the pelvis: a case report (Smith, Rosenbaum, and Harris), 21: 162