**Supplementary File 1**

**Preferred Reporting Items for Systematic reviews and Meta-Analyses extension for Scoping Reviews (PRISMA-ScR) Checklist**

| SECTION | ITEM | PRISMA-ScR CHECKLIST ITEM | REPORTED ON PAGE # |
|---|---|---|---|
| **TITLE** | | | |
| Title | 1 | Identify the report as a scoping review. | 1 |
| **ABSTRACT** | | | |
| Structured summary | 2 | Provide a structured summary that includes (as applicable): background, objectives, eligibility criteria, sources of evidence, charting methods, results, and conclusions that relate to the review questions and objectives. | 1 |
| **INTRODUCTION** | | | |
| Rationale | 3 | Describe the rationale for the review in the context of what is already known. Explain why the review questions/objectives lend themselves to a scoping review approach. | 1-2 |
| Objectives | 4 | Provide an explicit statement of the questions and objectives being addressed with reference to their key elements (e.g., population or participants, concepts, and context) or other relevant key elements used to conceptualize the review questions and/or objectives. | 2 |
| **METHODS** | | | |
| Protocol and registration | 5 | Indicate whether a review protocol exists; state if and where it can be accessed (e.g., a Web address); and if available, provide registration information, including the registration number. | 3 |
| Eligibility criteria | 6 | Specify characteristics of the sources of evidence used as eligibility criteria (e.g., years considered, language, and publication status), and provide a rationale. | 3 |
| Information sources* | 7 | Describe all information sources in the search (e.g., databases with dates of coverage and contact with authors to identify additional sources), as well as the date the most recent search was executed. | 3 |
| Search | 8 | Present the full electronic search strategy for at least 1 database, including any limits used, such that it could be repeated. | 3 |
| Selection of sources of evidence† | 9 | State the process for selecting sources of evidence (i.e., screening and eligibility) included in the scoping review. | 3 |
| Data charting process‡ | 10 | Describe the methods of charting data from the included sources of evidence (e.g., calibrated forms or forms that have been tested by the team before their use, and whether data charting was done independently or in duplicate) and any processes for obtaining and confirming data from investigators. | 3 |
| Data items | 11 | List and define all variables for which data were sought and any assumptions and simplifications made. | 3 |
| Critical appraisal of individual sources of evidence§ | 12 | If done, provide a rationale for conducting a critical appraisal of included sources of evidence; describe | 3 |

| SECTION | ITEM | PRISMA-ScR CHECKLIST ITEM | REPORTED ON PAGE # |
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| | | the methods used and how this information was used in any data synthesis (if appropriate). | |
| Synthesis of results | 13 | Describe the methods of handling and summarizing the data that were charted. | 3 |
| **RESULTS** | | | |
| Selection of sources of evidence | 14 | Give numbers of sources of evidence screened, assessed for eligibility, and included in the review, with reasons for exclusions at each stage, ideally using a flow diagram. | 4-5 |
| Characteristics of sources of evidence | 15 | For each source of evidence, present characteristics for which data were charted and provide the citations. | 4-8 |
| Critical appraisal within sources of evidence | 16 | If done, present data on critical appraisal of included sources of evidence (see item 12). | 4-8 |
| Results of individual sources of evidence | 17 | For each included source of evidence, present the relevant data that were charted that relate to the review questions and objectives. | 6-8 |
| Synthesis of results | 18 | Summarize and/or present the charting results as they relate to the review questions and objectives. | 6-8 |
| **DISCUSSION** | | | |
| Summary of evidence | 19 | Summarize the main results (including an overview of concepts, themes, and types of evidence available), link to the review questions and objectives, and consider the relevance to key groups. | 8-9 |
| Limitations | 20 | Discuss the limitations of the scoping review process. | 8-9 |
| Conclusions | 21 | Provide a general interpretation of the results with respect to the review questions and objectives, as well as potential implications and/or next steps. | 9 |
| **FUNDING** | | | |
| Funding | 22 | Describe sources of funding for the included sources of evidence, as well as sources of funding for the scoping review. Describe the role of the funders of the scoping review. | 9 |

JBI = Joanna Briggs Institute; PRISMA-ScR = Preferred Reporting Items for Systematic reviews and Meta-Analyses extension for Scoping Reviews.

* Where *sources of evidence* (see second footnote) are compiled from, such as bibliographic databases, social media platforms, and Web sites.

† A more inclusive/heterogeneous term used to account for the different types of evidence or data sources (e.g., quantitative and/or qualitative research, expert opinion, and policy documents) that may be eligible in a scoping review as opposed to only studies. This is not to be confused with *information sources* (see first footnote).

‡ The frameworks by Arksey and O'Malley (6) and Levac and colleagues (7) and the JBI guidance (4, 5) refer to the process of data extraction in a scoping review as data charting.

§ The process of systematically examining research evidence to assess its validity, results, and relevance before using it to inform a decision. This term is used for items 12 and 19 instead of "risk of bias" (which is more applicable to systematic reviews of interventions) to include and acknowledge the various sources of evidence that may be used in a scoping review (e.g., quantitative and/or qualitative research, expert opinion, and policy document).

*From:* Tricco AC, Lillie E, Zarin W, O'Brien KK, Colquhoun H, Levac D, et al. PRISMA Extension for Scoping Reviews (PRISMAScR): Checklist and Explanation. Ann Intern Med. 2018;169:467–473. doi: 10.7326/M18-0850.

**Supplementary File 2.** List of studies not included and exclusion reasons.

| Author | | Title | Year | Exclusion Criteria |
|---|---|---|---|---|
| Abramo A | et al. | Clinical device-related article osteotomy of distal radius fracture malunion using a fast remodeling bone substitute consisting of calcium sulphate and calcium phosphate | 2010 | No Open Access |
| Abramo A | et al. | Osteotomy of distal radius fracture malunion using a fast remodeling bone substitute consisting of calcium sulphate and calcium phosphate | 2010 | No Open Access |
| Adams B | et al. | Wrist Arthrodesis for Failed Total Wrist Arthroplasty | 2016 | Erratum |
| Ahluwalia R | et al. | Advances in pharmacotherapy for diabetic foot osteomyelitis | 2021 | Review |
| Ahmed H | et al. | Antibiotic-loaded Bone Cement in the Management of Neosternal Osteomyelitis | 2022 | Missing one o more keywords |
| Al-Fotawei R | et al. | Radiological assessment of bioengineered bone in a muscle flap for the reconstruction of critical-size mandibular defect | 2014 | No Human |
| Alfotawi R | et al. | In situ tissue engineering using an induced muscle graft to reconstruct critical size bone defect | 2017 | No Open Access |
| Alfotawi R | et al. | A novel surgical approach for the reconstruction of critical-size mandibular defects using calcium sulphate/hydroxyapatite cement, BMP-7 and mesenchymal stem cells-histological assessment | 2016 | No Open Access |
| Alfotawi R | et al. | Assessment of cellular viability on calcium sulphate/hydroxyapatite injectable scaffolds | 2013 | No Open Access |
| Aljawadi A | et al. | Adjuvant Local Antibiotic Hydroxyapatite Bio-Composite in the management of open Gustilo Anderson IIIB fractures. Prospective Review of 80 Patients from the Manchester Ortho-Plastic Unit | 2020 | Review |
| Aljawadi A | et al. | Radiological Analysis of Gentamicin Eluting Synthetic Bone Graft Substitute Used in the Management of Patients With Traumatic Bone Voids | 2022 | Missing one o more keywords |
| Alt V | et al. | Treatment of an infected nonunion with additional fresh fracture of the femur with a silver-coated intramedullary nail: A case report | 2022 | Missing one o more keywords |
| Anagnostakos K | et al. | Osteomyelitis of the First Metatarsal Head Treated With Joint-Preserving Surgery and a Synthetic Resorbable Bone Graft Substitute: A Case Report | 2018 | Missing one o more keywords |
| Anugraha A | et al. | Erratum: A novel technique for fabricating antibiotic-coated intramedullary nails using an antibiotic-loaded calcium sulphate hydroxyapatite bio-composite, Cerament-V (Journal of Surgical Case Reports DOI: 10.1093/jscr/rjz327) | 2020 | Erratum |
| Arabmotlagh M | et al. | [Füllmaterialien zur Augmentation von osteoporotischen Wirbelkörperfrakturen]" | 2010 | No English |
| Arcos D | et al. | The relevance of biomaterials to the prevention and treatment of osteoporosis | 2014 | Review |
| Armbruster J | et al. | Treatment of High-Grade Chronic Osteomyelitis and Nonunions with PerOssal®: A Retrospective Analysis of Clinical Efficacy and Patient Perspectives | 2024 | Missing one o more keywords |
| Arnold J | et al. | Characteristics of postoperative weight bearing and management protocols for tibial plateau fractures: Findings from a scoping review | 2017 | Review |
| Arrigoni F | et al. | Developments in the management of bone metastases with interventional radiology | 2018 | Review |
| Asadi-Eydivand M | et al. | Structure, properties, and in vitro behavior of heat-treated calcium sulfate scaffolds fabricated by 3D printing | 2016 | Missing one o more keywords |
| Axelrod D | et al. | Proximal Tibia Fractures | 2021 | Book Chapter |
| Badman B | et al. | A biomechanical analysis of flowable injectable calcium bone void filler on acromial tensile stresses: a method to reduce acromial stress fractures | 2021 | No Open Access |
| Banche-Niclot F | et al. | Optimization of an Injectable, Resorbable, Bioactive Cement Able to Release the Anti-Osteoclastogenic Biomolecule ICOS-Fc for the Treatment of Osteoporotic Vertebral Compression Fracture | 2023 | Missing one o more keywords |

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| Bardají S | et al. | [Nous desenvolupaments en materials per vertebroplàstia] | 2018 | No English |
| Bardyugov P | et al. | Bone Defect Replacement in Diabetic Neuropathic Osteoarthropathy (Charcot Foot): Review | 2023 | Review |
| Barker J | et al. | A formidable foe is sabotaging your results: What you should know about biofilms and wound healing | 2017 | Missing one o more keywords |
| Bartyzel A | et al. | Treatment of massive giant cell tumor of bone of the proximal radius. Case study | 2019 | No Open Access |
| Basaran S | et al. | Partial load-bearing rabbit ulnar segmental defects are regenerated with biocompatible grafts with or without bone marrow-derived mesenchymal stem cells | 2022 | No Human |
| Berger C | et al. | High Risk for Persistent Peri-Prosthetic Infection and Amputation in Mega-Prosthesis Reconstruction | 2023 | Missing one o more keywords |
| Bezstarosti H | et al. | In Vitro Elution of Gentamicin from CERAMENT® G Has an Antimicrobial Effect on Bacteria With Various Levels of Gentamicin Resistance Found in Fracture-related Infection | 2024 | No Human |
| Bhaskaran N | et al. | Nanotherapeutics in the management of bone infections | 2025 | Book Chapter |
| Bhatti P | et al. | Multidisciplinary Approach to a Transverse Periprosthetic Femur Fracture in a Short-Statured Patient: A Case Report | 2025 | Missing one o more keywords |
| Bidossi A | et al. | In vitro evaluation of gentamicin or vancomycin containing bone graft substitute in the prevention of orthopedic implant-related infections | 2020 | Missing one o more keywords |
| Billström G | et al. | Application of scaffolds for bone regeneration strategies: Current trends and future directions | 2013 | Missing one o more keywords |
| Blirup-Plum S | et al. | Pathological and microbiological impact of a gentamicin-loaded biocomposite following limited or extensive debridement in a porcine model of osteomyelitis | 2020 | No Human |
| Bohner M | et al. | Design of ceramic-based cements and putties for bone graft substitution | 2010 | Missing one o more keywords |
| Borens O | et al. | [Infizierte Osteosynthese]" | 2016 | Review |
| Boriani S | et al. | Aneurysmal bone cyst of C2 treated with novel anterior reconstruction and stabilization | 2019 | Note |
| Bostelmann R | et al. | First report on treating spontaneous infectious spondylodiscitis of lumbar spine with posterior debridement, posterior instrumentation and an injectable calcium sulfate/hydroxyapatite composite eluting gentamicin: a case report | 2016 | No Open Access |
| Boyle K | et al. | Vancomycin-laden calcium phosphate-calcium sulfate composite allows bone formation in a rat infection model | 2019 | No Human |
| Bruno F | et al. | Weight-bearing MRI of the knee: A review of advantages and limits | 2018 | Review |
| Butini M | et al. | In vitro anti-biofilm activity of a biphasic gentamicin-loaded calcium sulfate/hydroxyapatite bone graft substitute | 2018 | No Human |
| Bydon M | et al. | Evaluation and Treatment of Osteoporotic Fractures (Cement Augmentation) | 2023 | Book Chapter |
| Cao S | et al. | New perspectives: In-situ tissue engineering for bone repair scaffold | 2020 | Review |
| Caracchini G | et al. | Antibiotic Containing Bone Substitute in Major Hip Surgery: A Long Term Gentamicin Elution Study | 2018 | Missing one o more keywords |
| Caranci F | et al. | Magnetic resonance imaging correlates of benign and malignant alterations of the spinal bone marrow | 2018 | Missing one o more keywords |
| Cazzato R | et al. | French Multidisciplinary Approach for the Treatment of MSK Tumors | 2020 | Missing one o more keywords |
| Chan K | et al. | In vivo evaluation of a new β-tricalcium phosphate bone substitute in a rabbit femur defect model | 2015 | Missing one o more keywords |

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| Chatzipapas C | et al. | Local Antibiotic Delivery Systems in the Surgical Treatment of Diabetic Foot Osteomyelitis: Again | 2022 | Missing one o more keywords |
| Chen B | et al. | The implantation of a Nickel-Titanium shape memory alloy ameliorates vertebral body compression fractures: A cadaveric study | 2015 | Missing one o more keywords |
| Chen H | et al. | Evaluation of Antibiotic-Loaded Bone Cement in Treatment of Infected Diabetic Foot: Systematic Review and Meta-Analysis | 2024 | Missing one o more keywords |
| Chen H | et al. | Recent progress in the diagnosis and treatment of posterior tibial plateau fractures | 2015 | Missing one o more keywords |
| Chen P | et al. | Devascularized Bone Surface Culture: A Novel Strategy for Identifying Osteomyelitis-Related Pathogens | 2022 | Missing one o more keywords |
| Chen Y | et al. | A novel antibacterial zirconia-containing PMMA bone cement | 2022 | Missing one o more keywords |
| Chenbing Z | et al. | Research progress of antibiotic loaded bone cement and its application in treating diabetic foot infected wounds | 2022 | Review |
| Chiang C | et al. | An assessment of physical properties and the viability of osteoblast-like cells of cefazolin-impregnated calcium sulfate bone-void filler | 2023 | Missing one o more keywords |
| Chiang J | et al. | A Toolbox of Bone Consolidation for the Interventional Radiologist | 2023 | Review |
| Cianni L | et al. | Predictive Factors of Poor Outcome in Sanders Type III and IV Calcaneal Fractures Treated with an Open Reduction and Internal Fixation with Plate: A Medium-Term Follow-Up | 2022 | Missing one o more keywords |
| Clark A | et al. | A Two-Stage Approach Integrating Provisional Biomaterial-Mediated Stabilization Followed by a Definitive Treatment for Managing Volumetric Muscle Loss Injuries | 2024 | Missing one o more keywords |
| Colding-Rasmussen T | et al. | Antibiotic Elution Characteristics and Pharmacokinetics of Gentamicin and Vancomycin from a Mineral Antibiotic Carrier: An in vivo Evaluation of 32 Clinical Cases | 2018 | Missing one o more keywords |
| Colon D | et al. | Assessment of the injection behavior of commercially available bone BSMs for Subchondroplasty® procedures | 2015 | Missing one o more keywords |
| Compagnoni R | et al. | Arthroscopic-assisted reduction and fixation of proximal tibial fractures: Personal surgical technique | 2021 | Missing one o more keywords |
| Cook E | et al. | Bone Graft Substitutes and Allografts for Reconstruction of the Foot and Ankle | 2009 | Review |
| Cooper G | et al. | Autologous versus synthetic bone grafts for the surgical management of tibial plateau fractures: a systematic review and meta-analysis of randomized controlled trials | 2022 | Missing one o more keywords |
| Corona P | et al. | Uniplanar versus biplanar monolateral external fixator knee arthrodesis after end-stage failed infected total knee arthroplasty: a comparative study | 2020 | Missing one o more keywords |
| Cortez P | et al. | A glass-reinforced hydroxyapatite and surgical-grade calcium sulfate for bone regeneration: In vivo biological behavior in a sheep model | 2012 | No Human |
| Cutler H | et al. | Outcome Instruments in Spinal Trauma Surgery: A Bibliometric Analysis | 2016 | Review |
| D'Aprile P | et al. | Magnetic Resonance Imaging in degenerative disease of the lumbar spine: Fat Saturation technique and contrast medium | 2018 | Missing one o more keywords |
| Dadkhah M | et al. | Preparation and characterisation of an innovative injectable calcium sulphate based bone cement for vertebroplasty application | 2017 | No Open Access |
| Das C | et al. | Role of Augmentation in the Fixation of Osteoporotic Fractures | 2025 | Review |
| Davies M | et al. | Assessing and managing open fractures: A systematic approach | 2022 | Missing one o more keywords |

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| De Filippo M | et al. | Radiofrequency ablation of osteoid osteoma | 2018 | Review |
| De Pace R | et al. | Bone Regeneration: A Review of Current Treatment Strategies | 2025 | Review |
| Dong C | et al. | Percutaneous cyst aspiration with injection of two different bioresorbable bone cements in treatment of simple bone cyst | 2020 | Missing one o more keywords |
| Dong Z | et al. | Silk fibroin hydrogels induced and reinforced by acidic calcium phosphate – A simple way of producing bioactive and drug-loadable composites for biomedical applications | 2021 | Missing one o more keywords |
| Doorgakant A | et al. | An Approach to Managing Midfoot Charcot Deformities | 2020 | Review |
| Döring K | et al. | Treatment of benign bone lesions with an injectable biphasic bone substitute | 2024 | Missing one o more keywords |
| Dorozhkin S | et al. | Calcium Orthophosphate (CaPO4) Containing Composites for Biomedical Applications: Formulations, Properties, and Applications | 2024 | Review Book |
| Dorozhkin S | et al. | Calcium orthophosphate-containing biocomposites and their biomedical applications | 2017 | Chapter Book |
| Dorozhkin S | et al. | Hydroxyapatite and other calcium orthophosphates: Biocomposites, self-setting formulations and dissolution | 2017 | Chapter Book |
| Dorozhkin S | et al. | Calcium Orthophosphate-Based Bioceramics and Biocomposites | 2016 | Chapter Book |
| Dorozhkin S | et al. | Calcium orthophosphates: Applications in nature, biology, and medicine | 2012 | Chapter |
| Down B | et al. | Single-stage orthoplastic treatment of complex calcaneal osteomyelitis with large soft-tissue defects LONG-TERM FOLLOW-UP | 2024 | Missing one o more keywords |
| Dragani M | et al. | Kyphoplasty in spinal fractures with resin-like material â€œepMMAâ€ and biological material â€œecERAMENTâ€: Differences | 2011 | Conference Abstract |
| Ducloux R | et al. | Limb salvage attempt through calcaneal osteitis curettage and antibiotic impregnated cement | 2016 | Missing one o more keywords |
| Duta L | et al. | Editorial: Calcium phosphates of synthetic and natural origin: current status and future challenges | 2023 | Editorial |
| Dvorzhinskiy A | et al. | Ceramic composite with gentamicin decreases persistent infection and increases bone formation in a rat model of debrided osteomyelitis | 2021 | No Human |
| Eikani C | et al. | The State of Local Antibiotic Use in Orthopedic Trauma | 2024 | Review |
| Elhessy A | et al. | Intramedullary Canal Injection of Vancomycin-and Tobramycin-loaded Calcium Sulfate: A Novel Technique for the Treatment of Chronic Intramedullary Osteomyelitis | 2022 | Missing one o more keywords |
| Ene R | et al. | Review of Calcium-Sulphate-Based Ceramics and Synthetic Bone Substitutes Used for Antibiotic Delivery in PJI and Osteomyelitis Treatment | 2021 | Review |
| Ene R | et al. | Review of Calcium-Sulphate-Based Ceramics and Synthetic Bone Substitutes Used for Antibiotic Delivery in PJI and Osteomyelitis Treatment | 2021 | Review |
| Epstein G | et al. | Dead space management strategies in the treatment of chronic osteomyelitis: a retrospective review | 2023 | Review |
| Ercan H | et al. | Clinical Applications of Injectable Biomaterials | 2018 | Book Chapter |
| Everhart J | et al. | Depot antibiotics | 2015 | Review |
| Fahed R | et al. | Just a drop of cement: A case of cervical spine bone aneurysmal cyst successfully treated by percutaneous injection of a small amount of polymethyl-methacrylate cement | 2014 | Missing one o more keywords |
| Feng S | et al. | Implantation of an empty polyetheretherketone cage in anterior cervical discectomy and fusion: a prospective randomised controlled study with 2Â years follow-up | 2018 | Missing one o more keywords |
| Ferguson J | et al. | A comparison of clinical and radiological outcomes between two different biodegradable local antibiotic carriers used in the single-stage surgical management of long bone osteomyelitis | 2023 | Missing one o more keywords |

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| Ferreira N | et al. | The role of bioceramics in the management of osteomyelitic voids | 2023 | No Open Access |
| Filippiadis D | et al. | Percutaneous Microwave Ablation and Osteoplasty of an Aneurysmal Bone Cyst | 2021 | Letter |
| Filippiadis D | et al. | Percutaneous Vertebroplasty and Kyphoplasty: Current Status, New Developments and Old Controversies | 2017 | Review |
| Fischetti T | et al. | 3d printing and bioprinting to model bone cancer: The role of materials and nanoscale cues in directing cell behavior | 2021 | Review |
| Fonkoue L | et al. | The Microbiological Profile and Antibiotic Susceptibility of Fracture Related Infections in a Low Resource Setting Differ from High Resource Settings: A Cohort Study from Cameroon | 2024 | Missing one o more keywords |
| Frassanito P | et al. | Multimodal Management of Aggressive Recurrent Aneurysmal Bone Cyst of Spine: Case Report and Review of Literature | 2019 | Missing one o more keywords |
| Freischmidt H | et al. | Individualized techniques of implant coating with an antibiotic-loaded | 2020 | No Human |
| Freischmidt H | et al. | Efficacy of an Antibiotic Loaded Ceramic-Based Bone Graft Substitute for the Treatment of Infected Non-Unions | 2022 | Missing one o more keywords |
| Freischmidt H | et al. | Augmentation in surgical sepsis: Chances and limitations in the treatment of osteitis with calcium hydroxyapatite containing antibiotics | 2022 | Review |
| Freischmidt H | et al. | Individualized Techniques of Implant Coating with an Antibiotic-Loaded, Hydroxyapatite/Calcium Sulphate Bone Graft Substitute | 2020 | No Human |
| Freischmidt H | et al. | Systemic Administration of PTH Supports Vascularization in Segmental Bone Defects Filled with Ceramic-Based Bone Graft Substitute | 2021 | No Human |
| Gagala J | et al. | Minimum 10 years clinical and radiological outcomes of acetabular revisions of total hip arthroplasties with tricalcium phosphate/hydroxyapatite bone graft substitute | 2021 | Missing one o more keywords |
| Ganey T | et al. | Considerations for a physics-based | 2010 | Conference Abstract |
| Gasbarra E | et al. | Surgical treatment of tibial plateau fractures with the addition of Ceramentâ„¢ injectable bone substitute | 2011 | Conference Abstract |
| Gauzit Amiel A | et al. | Designed sponges based on chitosan and cyclodextrin polymer for a local release of ciprofloxacin in diabetic foot infections | 2020 | Missing one o more keywords |
| Geurts J | et al. | Use of contemporary biomaterials in chronic osteomyelitis treatment: Clinical lessons learned and literature review | 2021 | Review |
| Giannotti S | et al. | Angular stable plates in proximal meta-epiphyseal tibial fractures: study of joint restoration and clinical and functional evaluation | 2016 | Missing one o more keywords |
| Glaeser J | et al. | Electrospun synthetic bone void filler promotes human MSC function and BMP-2 mediated spinal fusion | 2020 | Missing one o more keywords |
| Gould M | et al. | Fever in a patient with osteomyelitis: The diagnosis could be serotonin syndrome | 2021 | Missing one o more keywords |
| Graff C | et al. | Antibiotic impregnated cement coated intramedullary nail (ACCIN) using bronchoscopy tubing: technical tips, case series and a review of the literature | 2024 | Review |
| Gragnano E | et al. | Treatment of Spinal Aneurysmal Bone Cyst with Percutaneous Injection of Hydroxyapatite Osteoconductive Cement | 2023 | Missing one o more keywords |
| Gramlich Y | et al. | Local Administration of Antibiotics in Orthopedics and Traumatology | 2023 | Review |
| Griauzde J | et al. | Successful treatment of a musculoskeletal tumor society grade 3 aneurysmal bone cyst with N-butyl cyanoacrylate embolization and percutaneous cryoablation | 2015 | Missing one o more keywords |
| Gritsch L | et al. | Tailored therapeutic release from polycaprolactone-silica hybrids for the treatment of osteomyelitis: antibiotic rifampicin and osteogenic silicates | 2022 | Missing one o more keywords |

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| Guarnieri G | et al. | Update of vertebral cementoplasty in porotic patients | 2015 | Missing one o more keywords |
| Guarnieri G | et al. | Percutaneous treatment of symptomatic aneurysmal bone cyst of L5 by percutaneous injection of osteoconductive material (Cerament). | 2013 | Review |
| Güleçyüz M | et al. | The Primary Stability of a Bioabsorbable Poly-L-Lactic Acid Suture Anchor for Rotator Cuff Repair Is Not Improved with Polymethylmethacrylate or Bioabsorbable Bone Cement Augmentation | 2018 | Irrelevant |
| Guo J | et al. | Focal issues in and strategies for treatment of periarticular osteoporotic fractures | 2020 | Missing one o more keywords |
| Hammad Y | et al. | Chronic osteomyelitis of the tibia in a runner: Catastrophic consequences of shin splints | 2018 | Missing one o more keywords |
| Hammouche S | et al. | Calcium salts bone regeneration scaffolds: A review article | 2012 | Review |
| Hatten H | et al. | Bone healing using a bi-phasic ceramic bone substitute demonstrated in human vertebroplasty and with histology in a rabbit cancellous bone defect model | 2012 | Missing one o more keywords |
| HeiÃŸ C | et al. | Clinical use of bone substitutes | 2013 | Review |
| Henry JA | et al. | Long-Term Follow-Up of Open Gustilo-Anderson IIIB Fractures Treated With an Adjuvant Local Antibiotic Hydroxyapatite Bio-Composite | 2023 | Missing one o more keywords |
| Hoelscher-Doht S | et al. | Bone filler and adhesive at the same time: in-vitro analysis in a porcine fracture model | 2025 | Missing one o more keywords |
| Hofmann A | et al. | Autologous Iliac Bone Graft Compared with Biphasic Hydroxyapatite and Calcium Sulfate Cement for the Treatment of Bone Defects in Tibial Plateau Fractures: A Prospective | 2020 | Missing one o more keywords |
| Hoque M | et al. | Natural fiber-based green composites: Processing, properties and biomedical applications | 2021 | Missing one o more keywords |
| Horstmann PF | et al. | Early Clinical and Radiological Experience with a Ceramic Bone Graft Substitute in the Treatment of Benign and Borderline Bone Lesions | 2018 | Missing one o more keywords |
| Horstmann PF | et al. | Natural Course of Local Bone Mineralization After Treatment of Benign or Borderline Bone Tumors and Cysts With a Composite Ceramic Bone Graft Substitute | 2018 | Missing one o more keywords |
| Horstmann PF | et al. | Composite biomaterial as a carrier for bone-Active substances for metaphyseal tibial bone defect reconstruction in rats | 2017 | Missing one o more keywords |
| Hossain M | et al. | A composite of polymethylmethacrylate, hydroxyapatite, and β-tricalcium phosphate for bone regeneration in an osteoporotic rat model | 2023 | Missing one o more keywords |
| Hotchen A | et al. | Can we predict outcome after treatment of long bone osteomyelitis? A study of pAtient-reported quAlity of life strAtified with the BACh classification | 2020 | Missing one o more keywords |
| Hou L | et al. | The application of biodegradable absorbable materials in bone repair | 2016 | Missing one o more keywords |
| Hoveidaei AH | et al. | Local antibiotic delivery: Recent basic and translational science insights in orthopedics | 2025 | Review |
| Hoveidaei AH | et al. | The Efficacy of Calcium Sulfate/Hydroxyapatite (CaS/HA) Gentamicin in Osteomyelitis Treatment: A Case Series | 2024 | Missing one o more keywords |
| Howard T | et al. | Treatment of Infected Nonunions With Bone Defects Using Autologous Bone Graft and Absorbable Antibiotic-Loaded Calcium Sulfate–Hydroxyapatite Paste | 2022 | Missing one o more keywords |

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| Hsieh C | et al. | Leiomyoma of the Ankle | 2024 | Missing one o more keywords |
| Hsieh D | et al. | Supercritical Carbon Dioxide-derived Bone Graft Putty: Regenerative Efficacy In Rabbit Bone Defect Model | 2023 | Conference Abstract |
| Huang J | et al. | A calcium sulphate/hydroxyapatite ceramic biomaterial carrier for local delivery of tobramycin in bone infections: Analysis of rheology, drug release and antimicrobial efficacy | 2023 | Missing one o more keywords |
| Huang T | et al. | Outcomes and second-look arthroscopic evaluation after combined arthroscopic treatment of tibial plateau and tibial eminence avulsion fractures: A 5-year minimal follow-up Orthopedics and biomechanics | 2015 | Missing one o more keywords |
| Hung P | et al. | Preoperative planning of compact zone trajectory is necessary in treating osteoporotic vertebral compression fracture with endplate involvement: A prospective randomized controlled study | 2023 | Missing one o more keywords |
| Ipponi E | et al. | Fixation with Carbon Fiber Plates After Curettage in Benign and Locally Aggressive Bone Tumors: Clinical and Radiographic Outcomes | 2025 | Missing one o more keywords |
| Irmola T | et al. | Solitary juvenile xanthogranuloma in the spine pretreated with neoadjuvant denosumab therapy followed by surgical resection in a 5-year-old child: case report and literature review | 2018 | Review |
| Ismat A | et al. | Antibiotic cement coating in orthopedic surgery: a systematic review of reported clinical techniques | 2021 | Review |
| Iundusi R | et al. | Augmentation of tibial plateau fractures with an injectable bone substitute: CERAMENT(â„¢). Three year follow-up from a prospective study | 2015 | Review |
| Jacobs A | et al. | Biological properties of copper-doped biomaterials for orthopedic applications: A review of antibacterial angiogenic and osteogenic aspects | 2020 | Review |
| Jensen L | et al. | Intraoperative tissue sampling for histology in chronic osteomyelitis shows high neutrophil infiltration centrally and low remains in debrided presumed infection-free regions | 2024 | Missing one o more keywords |
| Jia P | et al. | Prophylactic vertebroplasty procedure applied with a resorbable bone cement can decrease the fracture risk of sandwich vertebrae: Long-term evaluation of clinical outcomes | 2017 | Missing one o more keywords |
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