

Hak-Sun Kim

List of Publications by Year in descending order

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Version: 2024-02-01

114
papers

1,869
citations

257357

24
h-index

302012

39
g-index

114
all docs

114
docs citations

114
times ranked

2177
citing authors

#	ARTICLE	IF	CITATIONS
1	Anterior Plate-Screws and Lower Postoperative T1 Slope Affect Cervical Allospacer Failures in Multi-Level ACDF Surgery: Anterior Versus Posterior Fixation. <i>Global Spine Journal</i> , 2023, 13, 89-96.	1.2	6
2	Clinical Issues in Indication, Correction, and Outcomes of the Surgery for Neuromuscular Scoliosis: Narrative Review in Pedicle Screw Era. <i>Neurospine</i> , 2022, 19, 177-187.	1.1	3
3	Direct Internal Fixation for Unstable Atlas Fractures. <i>Yonsei Medical Journal</i> , 2022, 63, 265.	0.9	1
4	Cervical foraminal stenosis as a risk factor for cervical kyphosis following cervical laminoplasty. <i>Spine Journal</i> , 2022, 22, 1271-1280.	0.6	5
5	Handgrip Strength Correlated with Falling Risk in Patients with Degenerative Cervical Myelopathy. <i>Journal of Clinical Medicine</i> , 2021, 10, 1980.	1.0	0
6	Short Plate with Screw Angle over 20 Degrees Improves the Radiologic Outcome in ACDF: Clinical Study. <i>Journal of Clinical Medicine</i> , 2021, 10, 2034.	1.0	3
7	Transient fixation of L4 vertebra preserves lumbar motion and function in Lenke Type 5C and 6C scoliosis. <i>Scientific Reports</i> , 2021, 11, 10192.	1.6	2
8	Which Factors Affect the Stress of Intraoperative Orthopedic Surgeons by Using Electroencephalography Signals and Heart Rate Variability?. <i>Sensors</i> , 2021, 21, 4016.	2.1	10
9	ACDF With Total En Bloc Resection of Uncinate in Foraminal Stenosis of the Cervical Spine. <i>Clinical Spine Surgery</i> , 2021, 34, E237-E242.	0.7	6
10	Comparison of survival analysis between surgical and non-surgical treatments in Duchenne muscular dystrophy scoliosis. <i>Spine Journal</i> , 2020, 20, 1840-1849.	0.6	8
11	Lumbar Spinal Stenosis: Pathophysiology and Treatment Principle: A Narrative Review. <i>Asian Spine Journal</i> , 2020, 14, 682-693.	0.8	52
12	Prevalence of Gastrointestinal and Cardiovascular Risk in Patients with Degenerative Lumbar Spinal Disease. <i>Clinics in Orthopedic Surgery</i> , 2020, 12, 343.	0.8	6
13	Posterior Device Fixation Using Pedicle Screws in Patients with Degenerative Spine Disease: A Prospective, Single-Group, Therapeutic Pilot Study. <i>Journal of Korean Society of Spine Surgery</i> , 2020, 27, 131.	0.1	1
14	Assessment of Korea's Orthopedic Research Activities in the Top 15 Orthopedic Journals, 2008-2017. <i>Clinics in Orthopedic Surgery</i> , 2019, 11, 237.	0.8	5
15	The Evidence for Nonoperative Treatment of Lumbar Spinal Diseases. <i>Journal of Korean Society of Spine Surgery</i> , 2019, 26, 178.	0.1	1
16	Efficacy of computed tomography in prediction of operability of L5/S1 foraminal stenosis using region of interest. <i>Medicine (United States)</i> , 2019, 98, e17422.	0.4	2
17	Fistula Formation Between the Disc and Dura after Percutaneous Endoscopic Lumbar Discectomy: A Case Report. <i>Journal of Korean Society of Spine Surgery</i> , 2018, 25, 180.	0.1	0
18	Gelatinous Transformation of Bone Marrow Mimicking Malignant Marrow-Replacing Lesion on Magnetic Resonance Imaging in a Patient without Underlying Devastating Disease. <i>Investigative Magnetic Resonance Imaging</i> , 2018, 22, 50.	0.2	1

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19	What is a Right Distal Fusion Level for Prevention of Sagittal Imbalance in Multilevel Posterior Cervical Spine Surgery: C7 or T1?. <i>Clinical Spine Surgery</i> , 2018, 31, 441-445.	0.7	9
20	Results of Magnetically Controlled Growing Rods for Early Onset Scoliosis. <i>The Journal of the Korean Orthopaedic Association</i> , 2018, 53, 443.	0.0	1
21	Odontoid osteomyelitis with atlantoaxial subluxation in an infant. <i>European Spine Journal</i> , 2017, 26, 136-140.	1.0	4
22	Preoperative Risk Factors of C5 Nerve Root Palsy After Laminectomy and Fusion in Patients With Cervical Myelopathy. <i>Clinical Spine Surgery</i> , 2017, 30, 419-424.	0.7	14
23	Efficacy and Safety of Transdermal Buprenorphine versus Oral Tramadol/Acetaminophen in Patients with Persistent Postoperative Pain after Spinal Surgery. <i>Pain Research and Management</i> , 2017, 2017, 1-11.	0.7	5
24	Efficacy and Safety of Different Aceclofenac Treatments for Chronic Lower Back Pain: Prospective, Randomized, Single Center, Open-Label Clinical Trials. <i>Yonsei Medical Journal</i> , 2017, 58, 637.	0.9	25
25	Effect of Sagittal Balance on Risk of Falling after Lateral Lumbar Interbody Fusion Surgery Combined with Posterior Surgery. <i>Yonsei Medical Journal</i> , 2017, 58, 1177.	0.9	11
26	Dual Growing Rod Treatment for Progressive Pediatric Spinal Deformity. <i>Journal of Korean Society of Spine Surgery</i> , 2017, 24, 183.	0.1	0
27	Pamidronate Down-regulates Tumor Necrosis Factor-alpha Induced Matrix Metalloproteinases Expression in Human Intervertebral Disc Cells. <i>Journal of Bone Metabolism</i> , 2016, 23, 165.	0.5	4
28	The Thoracic Lordosis Correction Improves Sacral Slope and Walking Ability in Neuromuscular Scoliosis. <i>Clinical Spine Surgery</i> , 2016, 29, E413-E420.	0.7	5
29	Spinal sagittal balance status affects postoperative actual falls and quality of life after decompression and fusion in-situ surgery in patients with lumbar spinal stenosis. <i>Clinical Neurology and Neurosurgery</i> , 2016, 148, 52-59.	0.6	19
30	Growing rod technique for the treatment of the traumatic spinopelvic dissociation: a technical trick. <i>Spine Journal</i> , 2016, 16, e209-e214.	0.6	7
31	Usefulness of Noninvasive Positive-pressure Ventilation During Surgery of Flaccid Neuromuscular Scoliosis. <i>Journal of Spinal Disorders and Techniques</i> , 2015, 28, 298-300.	1.8	8
32	Clinical Outcome and Changes of Foraminal Dimension in Patients With Foraminal Stenosis After ACDF. <i>Journal of Spinal Disorders and Techniques</i> , 2015, 28, E449-E453.	1.8	23
33	Relationship between Bone Mineral Density and Spinal Muscle Area in Magnetic Resonance Imaging. <i>Journal of Bone Metabolism</i> , 2015, 22, 197.	0.5	11
34	Comparison of Multi-Echo Dixon Methods with Volume Interpolated Breath-Hold Gradient Echo Magnetic Resonance Imaging in Fat-Signal Fraction Quantification of Paravertebral Muscle. <i>Korean Journal of Radiology</i> , 2015, 16, 1086.	1.5	36
35	Safety Evaluation of Freehand Lateral Mass Screw Fixation in the Subaxial Cervical Spine. <i>Spine</i> , 2015, 40, 2-5.	1.0	19
36	Postoperative quality of life in patients with progressive neuromuscular scoliosis and their parents. <i>Spine Journal</i> , 2015, 15, 446-453.	0.6	27

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37	Prognostic Factors for Surgical Outcomes Including Preoperative Total Knee Replacement and Knee Osteoarthritis Status in Female Patients With Lumbar Spinal Stenosis. <i>Journal of Spinal Disorders and Techniques</i> , 2015, 28, 47-52.	1.8	11
38	Cardiopulmonary function and scoliosis severity in idiopathic scoliosis children. <i>Korean Journal of Pediatrics</i> , 2015, 58, 218.	1.9	38
39	Response to: Evidence-Based of Nonoperative Treatment in Adolescent Idiopathic Scoliosis. <i>Asian Spine Journal</i> , 2015, 9, 315.	0.8	1
40	Evidence-Based of Nonoperative Treatment in Adolescent Idiopathic Scoliosis. <i>Asian Spine Journal</i> , 2014, 8, 695.	0.8	19
41	At Least One Cyclic Teriparatide Administration Can Be Helpful to Delay Initial Onset of a New Osteoporotic Vertebral Compression Fracture. <i>Yonsei Medical Journal</i> , 2014, 55, 1576.	0.9	4
42	Transpedicular curettage and drainage versus combined anterior and posterior surgery in infectious spondylodiscitis. <i>Indian Journal of Orthopaedics</i> , 2014, 48, 74-80.	0.5	12
43	Functional Outcomes in Duchenne Muscular Dystrophy Scoliosis. <i>Journal of Bone and Joint Surgery - Series A</i> , 2014, 96, 409-415.	1.4	32
44	Downregulation of collagen synthesis and matrix metalloproteinase expression in myofibroblasts from Dupuytren nodule using adenovirus-mediated relaxin gene therapy. <i>Journal of Orthopaedic Research</i> , 2014, 32, 515-523.	1.2	20
45	Herniated Intervertebral Disk Induces Hypertrophy and Ossification of Ligamentum Flavum. <i>Journal of Spinal Disorders and Techniques</i> , 2014, 27, 382-389.	1.8	16
46	Perioperative complication and surgical outcome in patients with spine metastases: Retrospective 200-case series in a single institute. <i>Clinical Neurology and Neurosurgery</i> , 2014, 122, 80-86.	0.6	57
47	Comparison of Effects of Nonoperative Treatment and Decompression Surgery on Risk of Patients with Lumbar Spinal Stenosis Falling. <i>Journal of Bone and Joint Surgery - Series A</i> , 2014, 96, e110.	1.4	21
48	Prognostic Factor Analysis in Patients with Metastatic Spine Disease Depending on Surgery and Conservative Treatment: Review of 577 Cases. <i>Annals of Surgical Oncology</i> , 2013, 20, 40-46.	0.7	48
49	Results of Dual Growing Rods Treatment for Progressive Pediatric Spinal Deformity. <i>Journal of Korean Society of Spine Surgery</i> , 2013, 20, 8.	0.1	3
50	Analysis of Single Nucleotide Polymorphism in Adolescent Idiopathic Scoliosis in Korea: For Personalized Treatment. <i>Yonsei Medical Journal</i> , 2013, 54, 500.	0.9	18
51	Surgical Outcome of Lumbar Fusion Surgery in Patients With Parkinson Disease. <i>Journal of Spinal Disorders and Techniques</i> , 2012, 25, 351-355.	1.8	50
52	The Biomechanical Effect of Pedicle Screws' Insertion Angle and Position on the Superior Adjacent Segment in 1 Segment Lumbar Fusion. <i>Spine</i> , 2012, 37, 1637-1644.	1.0	79
53	Changes in Vitamin D Status After Surgery in Female Patients With Lumbar Spinal Stenosis and Its Clinical Significance. <i>Spine</i> , 2012, 37, E1326-E1330.	1.0	33
54	Tissue Engineering of the Intervertebral Disc With Cultured Nucleus Pulposus Cells Using Atelocollagen Scaffold and Growth Factors. <i>Spine</i> , 2012, 37, 452-458.	1.0	47

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55	Transpedicular Curettage and Drainage of Infective Lumbar Spondylodiscitis: Technique and Clinical Results. <i>Clinics in Orthopedic Surgery</i> , 2012, 4, 200.	0.8	19
56	Gradual Neurologic Deterioration Post Kyphoscoliosis Correction Surgery: A Case Report. <i>Asian Spine Journal</i> , 2012, 6, 140.	0.8	0
57	Video-Assisted Thoracoscopic Surgery Plus Lumbar Mini-Open Surgery for Adolescent Idiopathic Scoliosis. <i>Yonsei Medical Journal</i> , 2011, 52, 130.	0.9	2
58	The Quantitative Assessment of Risk Factors to Overstress at Adjacent Segments After Lumbar Fusion. <i>Spine</i> , 2011, 36, 1367-1373.	1.0	26
59	The Risk Assessment of a Fall in Patients With Lumbar Spinal Stenosis. <i>Spine</i> , 2011, 36, E588-E592.	1.0	53
60	Value of Preoperative Pulmonary Function Test in Flaccid Neuromuscular Scoliosis Surgery. <i>Spine</i> , 2011, 36, E1391-E1394.	1.0	17
61	Pelvic Obliquity in Neuromuscular Scoliosis. <i>Spine</i> , 2011, 36, 146-152.	1.0	32
62	Vascular Injury in Thoracolumbar Spinal Surgeries and Role of Angiography in Early Diagnosis and Management. <i>Journal of Spinal Disorders and Techniques</i> , 2010, 23, 418-424.	1.8	7
63	Analysis of biomechanical changes after removal of instrumentation in lumbar arthrodesis by finite element analysis. <i>Medical and Biological Engineering and Computing</i> , 2010, 48, 703-709.	1.6	40
64	Antibiotic Microbial Prophylaxis for Spinal Surgery: Comparison between 48 and 72-Hour AMP Protocols. <i>Asian Spine Journal</i> , 2010, 4, 71.	0.8	20
65	Video-Assisted Thoracoscopic Surgery for Correction of Adolescent Idiopathic Scoliosis: Comparison of 4.5 mm versus 5.5 mm Rod Constructs. <i>Yonsei Medical Journal</i> , 2010, 51, 753.	0.9	3
66	Tissue Engineering of the Intervertebral Disc with Cultured Nucleus Pulposus Cells Using Atelocollagen Scaffold and Gene Therapy. <i>Journal of Korean Society of Spine Surgery</i> , 2010, 17, 49.	0.1	0
67	Scoliosis Imaging: What Radiologists Should Know. <i>Radiographics</i> , 2010, 30, 1823-1842.	1.4	187
68	Comparison between Operated Muscular Dystrophy and Spinal Muscular Atrophy Patients in terms of Radiological, Pulmonary and Functional Outcomes. <i>Asian Spine Journal</i> , 2010, 4, 82.	0.8	16
69	Comparison of Mechanical Property of Conventional Rods versus Growing Rods for Pediatric Early Onset Scoliosis. <i>Journal of Korean Society of Spine Surgery</i> , 2010, 17, 177.	0.1	3
70	Prevention of New Vertebral Fractures after Treatment with Risedronate, Alendronate or Calcium Carbonate in Patients with Osteoporotic Compression Fracture Treated with Cement Augmentation. <i>The Journal of the Korean Orthopaedic Association</i> , 2009, 44, 436.	0.0	0
71	Comparison of Surgical Outcomes in Thoracolumbar Fractures Operated with Posterior Constructs Having Varying Fixation Length with Selective Anterior Fusion. <i>Yonsei Medical Journal</i> , 2009, 50, 546.	0.9	16
72	A validated finite element analysis of nerve root stress in degenerative lumbar scoliosis. <i>Medical and Biological Engineering and Computing</i> , 2009, 47, 599-605.	1.6	27

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73	Restoration of Bone Turnover Rate After Decompression Surgery in Patients With Symptomatic Lumbar Spinal Stenosis. <i>Spine</i> , 2009, 34, E635-E639.	1.0	10
74	Multiple Levels of Lumbar Spondylolysis - A Case Report -. <i>Asian Spine Journal</i> , 2009, 3, 35.	0.8	15
75	Life Expectancy After Lumbar Spine Surgery. <i>Spine</i> , 2008, 33, 2116-2121.	1.0	30
76	Bone Metabolism in Postmenopausal Women With Lumbar Spinal Stenosis. <i>Spine</i> , 2008, 33, 2435-2439.	1.0	26
77	Intraspinal Clear Cell Meningioma - A Case Report -. <i>The Journal of the Korean Orthopaedic Association</i> , 2008, 43, 518.	0.0	2
78	Risk Factors Associated with the Halo Phenomenon after Lumbar Fusion Surgery and its Clinical Significance. <i>Asian Spine Journal</i> , 2008, 2, 22.	0.8	11
79	Incidence and Risk Factors Associated with Superior Mesenteric Artery Syndrome following Surgical Correction of Scoliosis. <i>Asian Spine Journal</i> , 2008, 2, 27.	0.8	18
80	Polyaxial Screws with Thick Rod versus Monoaxial Screws with Thin Rod in Video-Assisted Thoracoscopic Scoliosis Surgery (VATS). <i>Journal of Korean Society of Spine Surgery</i> , 2008, 15, 9.	0.3	0
81	The Incidence of New Vertebral Compression Fractures in Women after Kyphoplasty and Factors Involved. <i>Yonsei Medical Journal</i> , 2007, 48, 645.	0.9	34
82	Sagittal Plane Analysis of Adolescent Idiopathic Scoliosis after VATS (Video-Assisted Thoracoscopic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.9	14
83	Radiographic Morphometry of Lumbar Intervertebral Disc Space in Normal Korean. <i>Journal of Korean Society of Spine Surgery</i> , 2007, 14, 129.	0.3	5
84	A Comparison of Bone Mineral Density between Adolescent Idiopathic Scoliosis and Neuromuscular Scoliosis. <i>Journal of Korean Society of Spine Surgery</i> , 2007, 14, 17.	0.3	0
85	The Effect of Synovial Fluid from Degenerated Facet on Hypertrophy and Ossification of the Ligamentum Flavum. <i>Journal of Korean Society of Spine Surgery</i> , 2007, 14, 25.	0.3	0
86	Delayed Onset Neurological Deterioration due to a Spinal Epidural Hematoma after a Spine Fracture. <i>Asian Spine Journal</i> , 2007, 1, 98.	0.8	0
87	A Comparison of Autologous and Homologous Transfusions in Spinal Fusion. <i>Yonsei Medical Journal</i> , 2006, 47, 840.	0.9	7
88	A Change of Pulmonary Function in the Patients with Severe Non-Idiopathic Scoliosis Following Reconstructive Spine Surgery. <i>Journal of Korean Society of Spine Surgery</i> , 2006, 13, 106.	0.3	2
89	Thoracic Fracture-Dislocations Without Spinal Cord Injury - Two Cases Reports-. <i>Journal of Korean Society of Spine Surgery</i> , 2006, 13, 69.	0.3	0
90	Hibernoma in Psoas Muscle - A Case Report -. <i>Journal of Korean Society of Spine Surgery</i> , 2006, 13, 306.	0.3	2

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91	Comparison of the Predictive Value of Myelography, Computed Tomography and MRI on the Treadmill Test in Lumbar Spinal Stenosis. <i>Yonsei Medical Journal</i> , 2005, 46, 806.	0.9	45
92	Intradiscal Electrothermal Treatment for Chronic Lower Back Pain Patients with Internal Disc Disruption. <i>Yonsei Medical Journal</i> , 2005, 46, 539.	0.9	11
93	Comparative Study of the Safety and Effectiveness of Tramadol 37.5 mg/Acetaminophen 325 mg Combined Tablets and Cyclo-Oxygenase-2 (Celecoxib) Inhibitor for the Treatment of Chronic Low Back Pain - A Multicenter, Randomized, Comparative Clinical Study -. <i>Journal of Korean Society of Spine Surgery</i> , 2005, 12, 299.	0.3	3
94	Phenotypical Stability and Matrix Synthesis of Human Intervertebral Disc Cells in Response to Dexamethasone and Transforming Growth Factor- β 1. <i>Journal of Korean Society of Spine Surgery</i> , 2005, 12, 91.	0.3	0
95	A Multi-center, Double-blind, Randomized and Comparative Clinical Study for the Safety and Analgesic Effect after four-week-treatment with NeurotropinA [®] in Patients with Low Back Pain: Compared to Aceclofenac. <i>Journal of Korean Society of Spine Surgery</i> , 2005, 12, 214.	0.3	0
96	Tissue Engineered Intervertebral Disc by Atelocollagen Scaffolds and Growth Factors. <i>Journal of Korean Society of Spine Surgery</i> , 2005, 12, 164.	0.3	0
97	Radiographic and Functional Outcome After Surgical Management of Severe Scoliosis in Skeletally Immature Patients with Muscular Dystrophy. <i>Journal of Spinal Disorders and Techniques</i> , 2004, 17, 505-510.	1.8	7
98	Biologic Modification of Ligamentum Flavum Cells by Marker Gene Transfer and Recombinant Human Bone Morphogenetic Protein-2. <i>Spine</i> , 2004, 29, 960-965.	1.0	17
99	The Effect of Pulsed Electromagnetic Field in Human Intervertebral Disc Cell. <i>Journal of Korean Society of Spine Surgery</i> , 2004, 11, 194.	0.3	0
100	The Accuracy of Computed Tomography in Assessing Cervical Pedicle Screw Placement. <i>Spine</i> , 2003, 28, 2441-2446.	1.0	37
101	Dual Roles of Ligamentum Flavum for Spinal Fusion: As an Osteoinductive Agent and Carrier for Ex-vivo Gene Transfer. <i>Journal of Korean Society of Spine Surgery</i> , 2003, 10, 1.	0.3	0
102	Molecular Biological and Pathological Aspects of Intercostal Muscles and Intervertebral Discs in Adolescent Idiopathic Scoliosis in Korea. <i>Journal of Korean Society of Spine Surgery</i> , 2003, 10, 209.	0.3	0
103	Learning Curve for the Thoracoscopic Correction of Spinal Deformities. <i>Journal of Korean Society of Spine Surgery</i> , 2003, 10, 261.	0.3	1
104	Phospholipase A ₂ in Herniated Lumbar Discs: Its Relevance to Pain. <i>Journal of Korean Society of Spine Surgery</i> , 2002, 9, 8.	0.3	0
105	Retention of ¹²⁵ I-labeled recombinant human bone morphogenetic protein-2 by biphasic calcium phosphate or a composite sponge in a rabbit posterolateral spine arthrodesis model. <i>Journal of Orthopaedic Research</i> , 2002, 20, 1050-1059.	1.2	67
106	Osteogenesis by Transfer of Bone Morphogenetic Protein-2 cDNA in Ligamentum Flavum Cells: Approach Toward Tissue Engineering. <i>Journal of Korean Society of Spine Surgery</i> , 2002, 9, 263.	0.3	1
107	Transforming Growth Factor- β 1 and Bone Morphogenetic Protein-2 Upregulates Matrix Synthesis and Chondrogenic Phenotype in Intervertebral Disc Cells. <i>Journal of Korean Society of Spine Surgery</i> , 2002, 9, 165.	0.3	0
108	Growth Factors and Their Clinical Applications. <i>Journal of Korean Society of Spine Surgery</i> , 2001, 8, 372.	0.3	1

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109	Matrix Synthesis of Human Intervertebral Disc Cells According to Grade of Degeneration: Under the Basal State and TGF- β 1 Stimulation. Journal of Korean Society of Spine Surgery, 2001, 8, 107.	0.3	1
110	Bone Forming Gene Therapy (Immune Animal Model in Ex Vivo Gene Therapy for Spinal Fusion with Type) Tj ETQq0 0 0 rgBT /Overlock 1 Surgery, 2001, 8, 437.	0.3	1
111	Responsiveness of Human Intervertebral Disc Cells in Matrix Synthesis To Adenovirus-Mediated Gene Transfer(ICF-1, TGF- β 1 Encoding Genes). Journal of Korean Society of Spine Surgery, 2001, 8, 195.	0.3	1
112	Reliability of Magnetic Resonance Imaging in Detecting Posterior Ligament Complex Injury in Thoracolumbar Spinal Fractures. Spine, 2000, 25, 2079-2084.	1.0	146
113	Sexual Dysfunction in Men With Paraparesis in Lumbar Burst Fractures. Spine, 2000, 25, 2187-2190.	1.0	11
114	Modified Step-Cut Osteotomy of the Humerus. Journal of Pediatric Orthopaedics Part B, 1998, 7, 162-166.	0.3	26