

# Chris Yin Wei Chan

## List of Publications by Year in descending order

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97  
papers

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471509

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#	ARTICLE	IF	CITATIONS
1	Comparison Between Minimally Invasive Surgery and Conventional Open Surgery for Patients With Spinal Metastasis. <i>Spine</i> , 2017, 42, 789-797.	2.0	82
2	Accuracy and Safety of Pedicle Screw Placement in Adolescent Idiopathic Scoliosis Patients. <i>Spine</i> , 2017, 42, 326-335.	2.0	65
3	Perioperative Outcome in Posterior Spinal Fusion for Adolescent Idiopathic Scoliosis. <i>Spine</i> , 2016, 41, E694-E699.	2.0	44
4	Is neck tilt and shoulder imbalance the same phenomenon? A prospective analysis of 89 adolescent idiopathic scoliosis patients (Lenke type 1 and 2). <i>European Spine Journal</i> , 2016, 25, 401-408.	2.2	38
5	A radiological evaluation of the morphometry and safety of S1, S2 and S2-iliac screws in the Asian population using three dimensional computed tomography scan: an analysis of 180 pelvis. <i>Surgical and Radiologic Anatomy</i> , 2012, 34, 217-227.	1.2	37
6	Assessment of Intraoperative Blood Loss at Different Surgical Stages During Posterior Spinal Fusion Surgery in the Treatment of Adolescent Idiopathic Scoliosis. <i>Spine</i> , 2016, 41, E566-E573.	2.0	37
7	Does a dual attending surgeon strategy confer additional benefit for posterior selective thoracic fusion in Lenke 1 and 2 adolescent idiopathic scoliosis (AIS)? A prospective propensity matching score analysis. <i>Spine Journal</i> , 2017, 17, 224-229.	1.3	34
8	Is there an optimal upper instrumented vertebra (UIV) tilt angle to prevent post-operative shoulder imbalance and neck tilt in Lenke 1 and 2 adolescent idiopathic scoliosis (AIS) patients?. <i>European Spine Journal</i> , 2016, 25, 3065-3074.	2.2	31
9	Minimally Invasive Spinal Stabilization Using Fluoroscopic-Guided Percutaneous Screws as a Form of Palliative Surgery in Patients with Spinal Metastasis. <i>Asian Spine Journal</i> , 2016, 10, 99.	2.0	31
10	Accuracy and Safety of Fluoroscopic Guided Percutaneous Pedicle Screws in Thoracic and Lumbosacral Spine. <i>Spine</i> , 2015, 40, E954-E963.	2.0	29
11	U-shaped sacral fracture: an easily missed fracture with high morbidity. A report of two cases. <i>Emergency Medicine Journal</i> , 2009, 26, 677-678.	1.0	27
12	The accuracy and safety of fluoroscopically guided percutaneous pedicle screws in the lumbosacral junction and the lumbar spine. <i>Bone and Joint Journal</i> , 2015, 97-B, 1111-1117.	4.4	27
13	Feasibility and Outcome of an Accelerated Recovery Protocol in Asian Adolescent Idiopathic Scoliosis Patients. <i>Spine</i> , 2017, 42, E1415-E1422.	2.0	27
14	Single vs two attending senior surgeons: assessment of intra-operative blood loss at different surgical stages of posterior spinal fusion surgery in Lenke 1 and 2 adolescent idiopathic scoliosis. <i>European Spine Journal</i> , 2017, 26, 155-161.	2.2	27
15	Perioperative outcome and complications following single-staged Posterior Spinal Fusion (PSF) using pedicle screw instrumentation in Adolescent Idiopathic Scoliosis (AIS): a review of 1057 cases from a single centre. <i>BMC Musculoskeletal Disorders</i> , 2021, 22, 413.	1.9	21
16	Safety of thoracic pedicle screw application using the funnel technique in Asians: a cadaveric evaluation. <i>European Spine Journal</i> , 2010, 19, 78-84.	2.2	20
17	Trajectory of Postoperative Wound Pain Within the First 2 Weeks Following Posterior Spinal Fusion Surgery in Adolescent Idiopathic Scoliosis Patients. <i>Spine</i> , 2017, 42, 838-843.	2.0	19
18	Can Intraoperative Text Messages Reduce Parental Anxiety of Children Undergoing Posterior Spinal Fusion Surgery for Adolescent Idiopathic Scoliosis?. <i>Spine</i> , 2016, 41, E225-E230.	2.0	18

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19	Comparison between percutaneous fluoroscopic-guided and conventional open pedicle screw placement techniques for the thoracic spine. <i>Bone and Joint Journal</i> , 2015, 97-B, 1555-1561.	4.4	17
20	Assessing the Flexibility of the Proximal Thoracic Segments Above the "Potential Upper Instrumented Vertebra" Using the Cervical Supine Side Bending Radiographs in Lenke 1 and 2 Curves for Adolescent Idiopathic Scoliosis Patients. <i>Spine</i> , 2016, 41, E973-E980.	2.0	17
21	Upper Instrumented Vertebrae (UIV) Tilt Angle Is an Important Postoperative Radiological Parameter That Correlates With Postoperative Neck and Medial Shoulder Imbalance. <i>Spine</i> , 2018, 43, E1143-E1151.	2.0	16
22	The clinical utility of fluoroscopic versus CT guided percutaneous transpedicular core needle biopsy for spinal infections and tumours: a randomized trial. <i>Spine Journal</i> , 2020, 20, 1114-1124.	1.3	16
23	Pneumocranium secondary to halo vest pin penetration through an enlarged frontal sinus. <i>European Spine Journal</i> , 2009, 18, 269-271.	2.2	15
24	The Clinical Effectiveness of School Screening Programme for Idiopathic Scoliosis in Malaysia. <i>Malaysian Orthopaedic Journal</i> , 2017, 11, 41-46.	0.5	15
25	Radiological and clinical outcome of selective thoracic fusion for patients with Lenke 1C and 2C adolescent idiopathic scoliosis with a minimum follow-up of 2 years. <i>Spine Journal</i> , 2018, 18, 2239-2246.	1.3	14
26	Tranexamic Acid in Pediatric Scoliosis Surgery. <i>Spine</i> , 2021, 46, E1170-E1177.	2.0	14
27	Thoracic pedicle screw insertion in Asian cadaveric specimen: does radiological pedicle profile affect outcome?. <i>Surgical and Radiologic Anatomy</i> , 2011, 33, 19-25.	1.2	13
28	Usage of Chewing Gum in Posterior Spinal Fusion Surgery for Adolescent Idiopathic Scoliosis. <i>Spine</i> , 2017, 42, 1427-1433.	2.0	13
29	Safety of Pedicle Screws in Adolescent Idiopathic Scoliosis Surgery. <i>Asian Spine Journal</i> , 2017, 11, 998-1007.	2.0	13
30	Perioperative Outcome of Single Stage Posterior Spinal Fusion for Severe Adolescent Idiopathic Scoliosis (AIS) (Cobb Angle $\geq 90^\circ$ ). <i>Spine</i> , 2019, 44, E348-E356.	2.0	13
31	Accuracy of cannulated pedicle screw versus conventional pedicle screw for extra-pedicular screw placement in dysplastic pedicles without cancellous channel in adolescent idiopathic scoliosis: a computerized tomography (CT) analysis. <i>European Spine Journal</i> , 2017, 26, 2951-2960.	2.2	12
32	Comparison between effect of desflurane/remifentanyl and propofol/remifentanyl anesthesia on somatosensory evoked potential monitoring during scoliosis surgery: A randomized controlled trial. <i>Journal of Orthopaedic Surgery</i> , 2018, 26, 230949901878952.	1.0	12
33	Pelvic obliquity in adolescent idiopathic scoliosis planned for posterior spinal fusion: A preoperative analysis of 311 lower limb axis films. <i>Journal of Orthopaedic Surgery</i> , 2019, 27, 230949901985725.	1.0	12
34	Minimally invasive reduction of thoracolumbar burst fracture using monoaxial percutaneous pedicle screws: Surgical technique and report of radiological outcome. <i>Journal of Orthopaedic Surgery</i> , 2020, 28, 230949901988897.	1.0	11
35	Symptomatic Calcifying Pseudotumor of the Thoracic Spine That Resolved With the Indomethacin Treatment. <i>Spine</i> , 2012, 37, E1676-E1679.	2.0	10
36	Prediction of Curve Correction Using Alternate Level Pedicle Screw Placement in Patients With Adolescent Idiopathic Scoliosis (AIS) Lenke 1 and 2 Using Supine Side Bending (SB) and Fulcrum Bending (FB) Radiograph. <i>Spine</i> , 2015, 40, 1605-1612.	2.0	10

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37	Flexibility assessment of the unfused thoracic segments above the "potential upper instrumented vertebrae" using the supine side bending radiographs in Lenke 5 and 6 curves for adolescent idiopathic scoliosis patients. <i>Spine Journal</i> , 2018, 18, 53-62.	1.3	10
38	The Utility of a Novel Proximal Femur Maturity Index for Staging Skeletal Growth in Patients with Idiopathic Scoliosis. <i>Journal of Bone and Joint Surgery - Series A</i> , 2022, 104, 630-640.	3.0	10
39	A comparison of feasibility and safety of percutaneous fluoroscopic guided thoracic pedicle screws between Europeans and Asians: is there any difference?. <i>European Spine Journal</i> , 2016, 25, 1745-1753.	2.2	9
40	The accuracy and safety of fluoroscopic-guided percutaneous pedicle screws in the thoracic and lumbosacral spine in the Asian population: A CT scan analysis of 1002 screws. <i>Journal of Orthopaedic Surgery</i> , 2017, 25, 230949901771393.	1.0	9
41	Effect of intraoperative autologous transfusion techniques on perioperative hemoglobin level in idiopathic scoliosis patients undergoing posterior spinal fusion: A prospective randomized trial. <i>Journal of Orthopaedic Surgery</i> , 2017, 25, 230949901771895.	1.0	8
42	How Common Is Medial and Lateral Shoulder Discordance in Lenke 1 and 2 Curves?. <i>Spine</i> , 2019, 44, E480-E486.	2.0	8
43	Patients' Perception and Satisfaction on Neck and Shoulder Imbalance in Adolescent Idiopathic Scoliosis. <i>Global Spine Journal</i> , 2023, 13, 752-763.	2.3	8
44	Do the dynamic stress mobility radiographs predict the postoperative vertebral height restoration, kyphosis correction, and cement volume injected after vertebroplasty for osteoporotic thoracolumbar vertebral fractures with intravertebral cleft?. <i>Journal of Orthopaedic Surgery</i> , 2018, 26, 230949901880670.	1.0	7
45	Personal protective equipment usage, recycling and disposal among spine surgeons: An Asia Pacific Spine Society survey. <i>Journal of Orthopaedic Surgery</i> , 2021, 29, 230949902098817.	1.0	7
46	Variations in Practice among Asia-Pacific Surgeons and Recommendations for Managing Cervical Myelopathy: The First Asia-Pacific Spine Society Collaborative Study. <i>Asian Spine Journal</i> , 2019, 13, 45-55.	2.0	7
47	The use of pre-operative halo traction to minimize risk for correction of severe scoliosis in a patient with Fontan circulation: a case report and review of literature. <i>European Spine Journal</i> , 2016, 25, 245-250.	2.2	6
48	Zonal differences in risk and pattern of pedicle screw perforations in adolescent idiopathic scoliosis (AIS): a computerized tomography (CT) review of 1986 screws. <i>European Spine Journal</i> , 2018, 27, 340-349.	2.2	6
49	Do Overweight Adolescent Idiopathic Scoliosis (AIS) Patients Have an Increased Perioperative Risk for Posterior Spinal Fusion (PSF) Surgery?. <i>Spine</i> , 2019, 44, 389-396.	2.0	6
50	Perioperative Outcome of Severe Idiopathic Scoliosis (Cobb Angle $\geq 90^\circ$ ). <i>Spine</i> , 2020, 45, 381-389.	2.0	6
51	A Positive (+ve) Postoperative Upper Instrumented Vertebra Tilt Angle ( $\geq 0^\circ$ ) Significantly Increases the Risk of Medial Shoulder and Neck Imbalance in Lenke 1 and 2 Adolescent Idiopathic Scoliosis Patients. <i>Spine</i> , 2020, 45, E694-E703.	2.0	6
52	Mid-long-term outcome and degeneration of the remaining unfused lumbar intervertebral disc in adolescent idiopathic scoliosis patients who had posterior spinal fusion surgery. <i>European Spine Journal</i> , 2021, 30, 1978-1987.	2.2	6
53	Cervical Supine Side-Bending versus Cervical Supine Traction Radiographs: Which Is Better in Predicting Proximal Thoracic Flexibility for Lenke 1 and 2 Adolescent Idiopathic Scoliosis?. <i>Asian Spine Journal</i> , 2018, 12, 669-677.	2.0	6
54	Severe Lenke 1 and 2 adolescent idiopathic scoliosis had poorer perioperative outcome, higher complication rate, longer fusion and higher operative cost compared to non-severe scoliosis. <i>European Spine Journal</i> , 2022, 31, 1051-1059.	2.2	6

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55	The Safety and Strength of a Novel Medial, Partial Nonthreaded Pedicle Screw. <i>Clinical Spine Surgery</i> , 2017, 30, E297-E304.	1.3	5
56	A Silver Medal Winner at the 13th World Wu Shu Championship 2015 17 Months After Selective Thoracic Fusion for Adolescent Idiopathic Scoliosis. <i>Spine</i> , 2017, 42, E248-E252.	2.0	5
57	APSS-ASJ Best Clinical Research Award: Is There a Difference between Patients' and Parents' Perception of Physical Appearance in Adolescent Idiopathic Scoliosis?. <i>Asian Spine Journal</i> , 2019, 13, 216-224.	2.0	5
58	After-hours elective spine deformity corrective surgery for patients with Adolescent Idiopathic Scoliosis: Is it safe?. <i>Journal of Orthopaedic Surgery</i> , 2019, 27, 230949901983902.	1.0	5
59	Perioperative outcome of severe rigid idiopathic scoliosis: Single-staged posterior spinal fusion utilizing a dual attending surgeon strategy. A report of 41 patients. <i>Journal of Orthopaedic Surgery</i> , 2020, 28, 230949902093600.	1.0	5
60	A Comparison Between the Perioperative Outcomes of Female Adolescent Idiopathic Scoliosis (AIS) Versus Adult Idiopathic Scoliosis (AdIS) Following Posterior Spinal Fusion: A Propensity Score Matching Analysis Involving 425 Patients. <i>Global Spine Journal</i> , 2023, 13, 81-88.	2.3	5
61	Neurological Recovery in Two Patients with Cauda Equina Syndrome Secondary to L5 Lumbar Spine Giant Cell Tumour after Treatment with Denosumab without Surgery. <i>Asian Spine Journal</i> , 2016, 10, 945.	2.0	5
62	Surgical Morphometry of C1 and C2 Vertebrae: A Three-Dimensional Computed Tomography Analysis of 180 Chinese, Indian, and Malay Patients. <i>Asian Spine Journal</i> , 2017, 11, 181-189.	2.0	5
63	Learning Curve for a Dual Attending Surgeon Strategy in Posterior Spinal Fusion (PSF). <i>Spine</i> , 2021, 46, E663-E670.	2.0	5
64	The use of fluoroscopic guided percutaneous pedicle screws in the upper thoracic spine (T1-T6): Is it safe?. <i>Journal of Orthopaedic Surgery</i> , 2017, 25, 230949901772243.	1.0	4
65	Does the Severity of the Curve in Lenke 1 and 2 Adolescent Idiopathic Scoliosis Patients Affect the Distance and Position of the Aorta From Vertebra?. <i>Spine</i> , 2019, 44, 785-792.	2.0	4
66	Quantitative analysis of local bone graft harvested from the posterior elements during posterior spinal fusion in Adolescent Idiopathic Scoliosis patients. <i>Journal of Orthopaedics</i> , 2019, 16, 74-79.	1.3	4
67	Conformity and Changes in the Radiological Neck and Shoulder Balance Parameters Throughout 3-Year Follow-up Period. <i>Spine</i> , 2020, 45, E319-E328.	2.0	4
68	The Impact of COVID-19 pandemic on Spine Surgeons. <i>Spine</i> , 2020, 45, 1285-1292.	2.0	4
69	Superior mesenteric artery syndrome: A rare complication of scoliosis corrective surgery. <i>Journal of Orthopaedic Surgery</i> , 2020, 28, 230949902094501.	1.0	4
70	Surgical Correction in Patients with Lumbar Degenerative Kyphosis Who Had Low Bone Mineral Density: An Analysis of 40 Patients with a Minimum Follow-Up of Two Years. <i>Asian Spine Journal</i> , 2015, 9, 65.	2.0	4
71	Ultra Long Construct Minimally Invasive Spinal Stabilization Using Percutaneous Pedicle Screws in the Treatment of Symptomatic Multicentric Spinal Metastasis. <i>Asian Spine Journal</i> , 2015, 9, 962.	2.0	4
72	Patients' Perception of the Informed Consent Process and Surgeons Accountability in Corrective Surgery for Adolescent Idiopathic Scoliosis. <i>Spine</i> , 2020, 45, 1661-1667.	2.0	4

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73	Radiological assessment of cervical lateral mass screw angulations in Asian patients. Indian Journal of Orthopaedics, 2011, 45, 504-507.	1.1	3
74	Prevalence and associations of neuropathic pain in a cohort of multi-ethnic Asian low back pain patients. Rheumatology International, 2017, 37, 633-639.	3.0	3
75	Does Menses Affect the Risk of Blood Loss in Adolescent Idiopathic Scoliosis Patients Undergoing Posterior Spinal Fusion Surgeries?. Spine, 2020, 45, 1128-1134.	2.0	3
76	Dual attending surgeon strategy learning curve in single-staged posterior spinal fusion (PSF) surgery for 415 idiopathic scoliosis (IS) cases. Spine Journal, 2021, 21, 1049-1058.	1.3	3
77	Scarf-Related Hangman's Fracture: A Case Report. European Journal of Trauma and Emergency Surgery, 2010, 36, 180-182.	1.7	2
78	Posterior Spinal Instrumented Fusion for Idiopathic Scoliosis in Patients with Multisystemic Neurodegenerative Disorder: A Report of Two Cases. Journal of Orthopaedic Surgery, 2016, 24, 273-277.	1.0	2
79	The Reliability of Intraoperative Crossbar Technique in Determining the Upper Instrumented Vertebra (UIV) Tilt Angle for Adolescent Idiopathic Scoliosis (AIS) Undergoing Posterior Spinal Fusion. Clinical Spine Surgery, 2019, 32, 256-262.	1.3	2
80	Controversies with nonoperative management for adolescent idiopathic scoliosis: Study from the APSS Scoliosis Focus Group. Journal of Orthopaedic Surgery, 2020, 28, 230949902093029.	1.0	2
81	Factors Affecting Operation Duration in Posterior Spinal Fusion (PSF) Using Dual Attending Surgeon Strategy Among Lenke 1 and 2 Adolescent Idiopathic Scoliosis (AIS) Patients. Clinical Spine Surgery, 2021, Publish Ahead of Print, .	1.3	2
82	Acute Brown-Séquard Syndrome following Brachial Plexus Avulsion Injury. A Report of Two Cases. Hong Kong Journal of Emergency Medicine, 2011, 18, 347-351.	0.6	1
83	Feasibility of Percutaneous Posterolateral Spinal Fusion With Recombinant Bone Morphogenetic Protein-2 (rhBMP-2). Clinical Spine Surgery, 2017, 30, E138-E147.	1.3	1
84	C1-C2 fusion with absence of C1 posterior arch and presence of C2 high-riding vertebral artery: Is it possible?. Journal of Orthopaedic Surgery, 2019, 27, 230949901984076.	1.0	1
85	Predictive factors for correction rate in severe idiopathic scoliosis (Cobb angle $\geq 90^\circ$ ): an analysis of 128 patients. European Spine Journal, 2021, 30, 653-660.	2.2	1
86	Feasibility of Single-Stage Posterior Passive Correction and Fusion Surgery for Congenital Scoliosis in Adolescent Patients Who Have Attained Skeletal Maturity. Asian Spine Journal, 2021, , .	2.0	1
87	Rapid progression of scoliosis curve in a mature patient with undiagnosed pituitary macroadenoma: A rare case report. Acta Orthopaedica Et Traumatologica Turcica, 2020, 54, 561-564.	0.8	1
88	An analysis of preoperative shoulder and neck balance and surgical outcome in 111 adolescent idiopathic scoliosis patients with two subtypes of Lenke 1 curves. Journal of Neurosurgery: Spine, 2020, 34, 1-8.	1.7	1
89	Remarkable Bone Formation following Gefitinib for Extensive Lytic Bone Metastasis: A Report of Two Cases. Journal of Orthopaedic Surgery, 2016, 24, 421-423.	1.0	0
90	Anesthetic considerations in scoliosis patient with dopa-responsive dystonia or Segawa's syndrome. Journal of Orthopaedic Surgery, 2017, 25, 230949901668474.	1.0	0

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91	Letters about Published Papers. Journal of Orthopaedic Surgery, 2019, 27, 230949901986123.	1.0	0
92	Aberrant left brachiocephalic vein is a contraindication for anterior cervicothoracic approach. Journal of Orthopaedic Surgery, 2019, 27, 230949901987921.	1.0	0
93	Posterior Spinal Fusion in a Scoliotic Patient With Congenital Heart Block Treated With Pacemaker. Spine, 2019, 44, E252-E257.	2.0	0
94	Letter to the Editor Regarding "The Usage of Chewing Gum in Posterior Spinal Fusion Surgery for Adolescent Idiopathic Scoliosis: A Randomized Controlled Trial" Spine, 2021, 46, E566-E567.	2.0	0
95	Preoperative "Cervical Axis" Deviation Increases the Risk of Distal Adding-On Following Surgery in Lenke 1 and 2 Adolescent Idiopathic Scoliosis Patients. Global Spine Journal, 2021, , 219256822199864.	2.3	0
96	Percutaneous pedicle screw for unstable spine fractures in polytraumatized patients: A report of two cases. Indian Journal of Orthopaedics, 2012, 46, 710.	1.1	0
97	The anatomical locations of postoperative pain and their recovery trajectories following Posterior Spinal Fusion (PSF) surgery in Adolescent Idiopathic Scoliosis (AIS) patients. Medical Journal of Malaysia, 2020, 75, 12-17.	0.2	0