

Woojin Cho, MD, PhD

Orthopedic Spine Surgeon

(Adult Spinal Deformity, Degeneration & Spinal Biomechanics) | AI in Healthcare

Hartsdale, New York, USA

PROFESSIONAL SUMMARY

Orthopedic spine surgeon with more than 20 years of experience specializing in adult spinal deformity, degenerative spine disease, and spinal biomechanics. Extensive academic and clinical background in Korea and the United States, including advanced spine fellowships and leadership roles in academic spine centers. Peer reviewer for multiple international spine journals. Experienced in complex case analysis, standards-of-care evaluation, causation analysis, and evidence-based expert medical opinions.

AREAS OF EXPERTISE

- Adult spinal deformity & Degenerative spine disorders
 - Thoracolumbar and cervical spine
 - Spinal biomechanics & Spinal instrumentation
 - Surgical decision-making and standards of care
 - Postoperative complications and failed back surgery
 - Medical record review and causation analysis
 - Evidence-based expert medical opinions
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EDUCATION

MD, MS, PhD – Hanyang University College of Medicine, Seoul, Korea

POSTGRADUATE TRAINING

- **Orthopedic Surgery Residency** – Hanyang University Hospital, Seoul, Korea
- **Spine Research Fellowship** (Biomechanics, Cervical Spine, Deformity) – Twin Cities Spine Center, USA
- **Spine Research Fellowship** – Washington University in St. Louis, USA
- **Clinical Spine Fellowship** – University of Virginia Health System, USA

- **Advanced Spine Fellowship** – Hospital for Special Surgery (HSS), New York, USA
 - **Additional Training:** Artificial intelligence and data analytics applied to healthcare and clinical decision-making (MIT, Johns Hopkins University, Great Learning).
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ACADEMIC & CLINICAL APPOINTMENTS (2013–2022)

- Associate Professor, Albert Einstein College of Medicine
 - Research Director, Montefiore Spine Center
 - Orthopedic Spine Surgeon, Montefiore Medical Center
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PROFESSIONAL EXPERIENCE

- Independent Medical Expert & Consultant (2022–Present)
 - Leadership in spine research, education, and complex case management
 - Over two decades of clinical and academic experience in spine surgery
 - **Academic Contributions:** 116 Publications, 269 Presentations, 15 Grants and Awards, 71 Invited Lectures
 - Active involvement in peer-reviewed publications and clinical research
 - Peer Reviewer, Elsevier Journals (2025)
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EXPERT WITNESS SERVICES

- Medical record review
 - Standards-of-care evaluation
 - Causation analysis
 - Written expert reports
 - Medical consulting for complex spine-related cases
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LICENSURE

- Board Certified Orthopedic Surgeon (Korea)
 - ECFMG Certified
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PROFESSIONAL AFFILIATIONS (SELECTED)

- American Medical Association (AMA)
- AO Spine North America

Full academic CV available upon request.