To Whomsoever it may Concern

Dr. Bhavuk Garg is a pioneering spine surgeon and researcher dedicated to advancing the field of spine surgery through innovative research, technology, and community outreach. With a focus on enhancing the safety and effectiveness of spinal procedures, Dr. Garg's contributions have significantly impacted both clinical practice and patient outcomes.

Dr. Garg's groundbreaking work in development of 3D-printed patient-specific drill templates has revolutionized the treatment of spinal deformities, enabling safer and more effective surgeries. This innovation has laid the groundwork for extending 3D printing technology to other orthopedic disorders, particularly in managing neglected injuries and deformities in bones.

Dr. Garg developed a modified technique for posterior vertebral column resection, one of the most challenging spine surgeries. His technique, published in The Spine Journal in 2020, has been associated with a lower rate of neurological complications, offering a safer option for patients undergoing this high-risk procedure. Furthermore, his development of a multidisciplinary Enhanced Recovery after Surgery (ERAS) protocol for lumbar spine surgery has significantly improved early patient outcomes and reduced hospital stays.

Dr. Garg's research extends beyond surgical techniques to address prevalent conditions such as TB spine, particularly within the Indian population. His numerous publications in prestigious journals have enhanced the understanding and treatment of this condition. He also made history by performing the first O-arm integrated robot-assisted spine surgery in India, utilizing the Excelsius GPS spinal robotic system to improve the accuracy of pedicle screw placement.

Driven by the 'Make in India' campaign, Dr. Garg has collaborated with leading institutions to design novel implants and devices tailored to the Indian population. Notable inventions include an indigenous total elbow prosthesis, FlexiOH—a breathable, washable orthopedic casting system—and a low-cost indigenous magnetic growth rod for early-onset scoliosis patients.

In translational research, Dr. Garg has established state-of-the-art labs at AIIMS, New Delhi, generating valuable data on gait patterns and conducting pioneering studies on miRNAs in osteoporotic hip fractures.

Dr. Garg's dedication to community outreach is evident in his development of the ASICS mobile application, creation of the Indian Fragility Fracture Network, and school health screening programs in New Delhi. His work in integrating artificial intelligence in scoliosis care and assessing bone health in the transgender population further highlights his commitment to making healthcare accessible and equitable for all. Through his relentless pursuit of research and innovation, Dr. Garg continues to push the boundaries of spine surgery, improving patient care and outcomes.

Prof. Rajesh Malhotra

Dr. Rajesh Malhotra
MS, FRCS, FICS, FACS, FIMSA, FAMS, FNASc
Senior Consultant- Orthopaedics
Clinical Lead - Orthopaedics (North India)
Indraprastha Apollo Hospital
Mathura Road, New Delhi-110076
DMC No.-7636