

## **Hyung Joo Park, MD, Ph.D., FCCP**

Professor

Department of Thoracic and Cardiovascular Surgery

Seoul St. Mary's Hospital, The Catholic University of Korea

Seoul, South Korea

hyjparkkorea@gmail.com

Dr. Hyung Joo Park is a chest wall deformity specialist with over two decades of successful pectus excavatum/carinatum repair surgery experience. He began chest wall surgery as a pioneer in minimally invasive pectus excavatum repair in 1999. (MIRPE). He presently dedicates himself solely to pectus deformity repair for excavatum, carinatum, arcuatum, and mixed malformations. He has one of the world-most surgical experience of pectus repairs with over 6000 cases (3500 repairs and 3000 bar removals).

From 2016 to 2018, he was the president of Chest Wall International Group (CWIG), and he has been a member of the CWIG Executive Committee. In 2013 and 2018, he successfully hosted the CWIG Annual World Congress twice in Seoul, South Korea. For the past 20 years, he has been at the forefront of chest wall surgery in Korea and around the world. He presented papers at over 60 international conferences. He hosted over 20 live surgery workshops for surgeons all over the world.

He is a fellow of the American College of Chest Physicians (ACCP) and a member of the European Association for Cardiothoracic Surgery (EACTS), the European Society of Thoracic Surgeons (ESTS), and the Korean Association of Thoracic and Cardiovascular Surgery (KATCVS).

For the past 20 years, Dr. Park has worked to make pectus surgery safer and easier. He created the following technologies and devices:

- Morphological Classifications of Pectus Excavatum

- Techniques for Asymmetry
- Development of Serial Techniques and Devices for Bar Fixation
- Crane Technique
- New CT Indices for Pectus Excavatum
- Pectoscope
- Sandwich Technique for Pectus Carinatum Repair
- Bridge Technique (nullifying the bar displacement rate)
- Cross-Bar and the XI Technique.
- Pectus Arcuatum Repair Technique: Hybrid Minimally Invasive Approach (MIRPA)

### **The New Thinking**

He has recently changed the paradigm of pectus surgery by creating the New Concepts: the “Crane-powered Entire Chest Wall Remodeling.” The crane-powered repair converts the chest wall lifting power from pectus bar turn-over to crane machine lifting. The entire chest wall remodeling expands the repair from localized depressed chest wall elevation only for cardiac decompression to the whole anterior chest wall remodeling to pursue anatomical correction.

### **YouTube Live Streaming (The LIVE OR)**

He launched a live surgery demonstration project in July 2022 via a weekly YouTube Live Streaming broadcast on Wednesdays. This would be the first attempt at an online live teaching program in surgery history. His hope is to settle the standard of procedure to enhance safe and efficacy, and ultimately to uphold human rights by restoring the normal anatomy.