**AHN** **Continuing Medical Education**

**Advanced Topics in Spine Surgery**

**Course Program**

*Updated: May 13, 2021*

The Allegheny Health Network / Orthopedics This Week Course focused on advanced topics in spine surgery, is an accredited neurosurgery and orthopedic spine surgery educational program.

Orthopaedic surgeons, neurosurgeons, orthopaedic and neurosurgical nurses, physician’s assistants and other industry professionals are all welcome to attend this unique and dynamic online, interactive meeting on July 15th.

For the July 15th class, topics to be covered will include: patient selection and remaining diagnostic mysteries after 20 years of total disc replacement experience, a refreshing look at bias in a Cochrane Review of early TDA studies, update on living cell technologies including OPC-1, the latest in surface treatments for bone growth and infection prevention and the role of big data on spine surgery with an integrated system.

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| **July 15, 2021** 7:00pm – 9:00 pm Eastern Time Zone | |
| **7:00 – 7:05** | **Boyle Cheng, Ph.D.**: Moderator, *Introduction and Welcome* |
| **7:05 – 7:15** | **Richard Fessler, M.D.**  *Cochrane Analysis: Biases and Statistical Analysis Early TDA Study Review* |
| **7:15 – 7:25** | **Larry Khoo, M.D.:** *TDA Patient Selection after 20 Years; What do we know, What do we NOT know?* |
| **7:25 – 7:30** | **BREAK – 1 sponsored commercial presentation: 3 minutes** |
| **7:30 – 7:40** | **Katherine Sage, M.D.**: *Osteoimmunology in Achieving Fusion in Spine Surgery* |
| **7:40 – 7:50** | **Richard Fessler, M.D.**: *Update on Living Cells Therapies: OPC-1 Transplant for Acute SCI* |
| **7:50 – 8:00** | **Jeff Marx, Ph.D.** *Clinical Evidence P15 Based Bone Repair* |
| **8:00 – 8:10** | **BREAK – 2 sponsored commercial presentations – 6 minutes** |
| **8:10 – 8:20** | **Boyle Cheng, Ph.D.** *Practice Integration, Data and the Allegheny / Highmark experience* |
| **8:20 – 8:30** | **Ira Fedder, M.D**. *Surface Treatment and Bone Apposition* |
| **8:30 – 8:40** | **James Ryaby, PhD**. *Development of a Novel, More Potent Bone Growth Stimulation Signal* |
| **8:40 – 8:43** | **BREAK – 1 sponsored commercial presentation: 3 minutes** |
| **8:43 - 8:53** | **MCRA**: *Current Concepts in Artificial Intelligence and Robotics Reimbursement* |
| **8:53 – 9:00** | **Boyle Cheng, Ph.D.:** *Q&A Section and Closing* |