



Saturday 15th February 2025 -1:00 -2:30pm

Willow Glen United Methodist Church - Kohlstedt Room

1420 Newport Avenue, San Jose, CA 95125

Light Refreshments and Snacks will be served.



Repairing the Brain and Spinal Cord, one stitch at a time:

How neurosurgery is restoring function in the nervous system.

We shall have great pleasure in welcoming
Dr Marco Lee, Professor of Neurosurgery at Stanford University.

<https://med.stanford.edu/profiles/marc-lee#bio>

<https://westnsurg.org/president/>



Dr Lee will be discussing the impact Neurosurgery is having on Restorative and Regenerative neurosurgery and how this field is making an impact on stroke, brain and spinal cord damage, and dementia.

About this Event

The nervous system, made up mostly of the brain and spinal cord, remains one of the most challenging organs to repair once damaged. This unforgiving organ is highly protected by the rest of the body, making access to it very difficult and sometimes impossible. Even though there have been impressive medical advances in drug and cell therapies, traditional delivery methods of these new treatments to the nervous system have been disappointing. This talk will highlight how neurosurgery is making a revolutionary impact on neurological conditions that have had no meaningful treatments in the past, including stroke, dementia and traumatic injuries. Game changing technologies, such as stem cell therapy and deep brain stimulation are bringing transformative benefits to patients and the journey taken and still ahead in this endeavor will be discussed.

Dr. Marco Lee is Professor of Neurosurgery at Stanford University and Immediate past Chief of Neurosurgery at Santa Clara Valley Medical Center in the Bay Area. He completed his Neurosurgery training at the University of Oxford and Edinburgh, UK. He completed further advanced training in Skull Base-Cerebrovascular surgery and Radiosurgery through fellowships at Stanford University. Dr. Lee is board certified in Neurosurgery by the Royal College of Surgeons.

His clinical interests include cerebrovascular conditions (brain hemorrhages and stroke, aneurysms, AVMs, cavernomas), skull base tumors (pituitary tumors, meningiomas), neurotrauma (traumatic brain and spine injuries) and degenerative spine conditions. He has held multiple research grants internationally and nationally in the study of these conditions and has published widely on these topics. Dr. Lee was a Medical Research Council Fellow and did his DPhil studies at Oxford in Gene Therapy to the brain. Stem cell therapies to restore neuronal function has continued to be a main focus of his research and he was among the first of a handful of surgeons to have performed neurosurgery in the world's first human embryonic stem cell trial in any disease.

Dr. Lee is also passionate about training the next generation of doctors and neurosurgeons and is heavily involved in educational programs at Stanford University and various international and national courses, including the Royal College of Surgeons, Edinburgh and the European Association of Neurological Surgeons.●