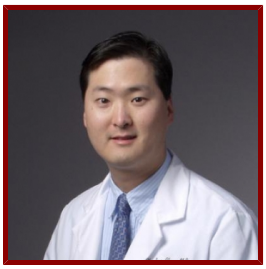
Stanford



S. Charles Cho, MD

- Clinical Professor, Adult Neurology
- Clinical Professor (By courtesy), Neurosurgery

CLINICAL OFFICE (PRIMARY)

- **Stanford Neuroscience Health Center**

  213 Quarry Rd

  MC 5957 Fl 2

  Palo Alto, CA 94304

  Tel (650) 723-6469 **Fax** (650) 725-0390

ACADEMIC CONTACT INFORMATION

- **Alternate Contact**

  Edylen Anit - Assistant

  Tel 650-723-5184

Bio

CLINICAL FOCUS

- Clinical Neurophysiology

ACADEMIC APPOINTMENTS

- Clinical Professor, Adult Neurology
- Clinical Professor (By courtesy), Neurosurgery

ADMINISTRATIVE APPOINTMENTS

- Neurophysiology course director, Stanford University, (2002- present)
- Chairman of Lumbosacral Radiculopathy Committee, AAEM, (2002-2005)
- Director of ALS Clinic, Stanford University, (2004- present)

HONORS AND AWARDS

- Who's Who in Medical Sciences Education, WWMSE (2004)

PROFESSIONAL EDUCATION

- Residency: Stanford University Dept of Neurology (2000) CA
- Board Certification: Neurology, American Board of Psychiatry and Neurology (2013)
- Medical Education: Georgetown University School of Medicine (1996) DC
- Fellowship: Massachusetts General Neuromuscular Medicine Fellowship (2001) MA
- Internship: Kaiser Permanente Oakland Internal Medicine Residency (1997) CA
- ScB, Brown University (1990)
- MS, Columbia University (1992)
- MD, Georgetown University (1996)

LINKS

- Get a Second Opinion: https://stanfordhealthcare.org/second-opinion/overview.html

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Clinical research focused on peripheral nerve and muscle disorders. Also involved with prevention of cerebrovascular disesase in the intraoperative setting. Ongoing clincial studies include treatments for Amyotrophic Lateral Sclerosis (ALS), Inflammatory Demyelinating Neuropathy and HIV neuropathic pain.

Teaching

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Neurosciences (PhD Program)

Publications

PUBLICATIONS

- **EMG, MEP, and SSEP in the Intraoperative Neurophysiologic Monitoring of Lumbar Surgeries**
  Viet Nguyen, Atikilt, N., Cho, S., Lee, L., Le, S., Lopez, J.
  LIPPINCOTT WILLIAMS & WILKINS.2019
- **Driving Ability Correlated with Severity of Polyneuropathy**
  Lopez, J., Cho, A., Nguyen, V., Lee, L., Le, S., Cho, S.
  LIPPINCOTT WILLIAMS & WILKINS.2019
- **Novel Intraoperative Neurophysiologic Monitoring (IONM) Techniques during Thoracic Endovascular Aortic Repair (TEVAR) to Rapidly Assess Central Spinal Cord versus Peripheral Limb Ischemia**
  Lee, L., Lee, J., Jones, E., Cho, S., Viet Nguyen, Le, S., Lopez, J.
  LIPPINCOTT WILLIAMS & WILKINS.2016
- **Hippocampal-neocortical functional reorganization contributes to children's cognitive development** *Nature Neuroscience*
  Qin, S., Cho, S., Rosenberg-Lee, M., Chen, T., Geary, D., Menon, V.
  2014; Sep; 17 (9): 1263-9
- **Transplantation of human cord blood mononuclear cells and umbilical cord-derived mesenchymal stem cells in autism** *JOURNAL OF TRANSLATIONAL MEDICINE*
  Lv, Y., Zhang, Y., Liu, M., Qiuwaxi, J., Ashwood, P., Cho, S. C., Huan, Y., Ge, R., Chen, X., Wang, Z., Kim, B., Hu, X.
  2013; 11
- **Effects of noninvasive ventilation on sleep outcomes in amyotrophic lateral sclerosis.** *Journal of clinical sleep medicine*
  Katzberg, H. D., Selegiman, A., Guion, L., Yuan, N., Cho, S. C., Katz, J. S., Miller, R. G., So, Y. T.
  2013; 9 (4): 345-351
- **Detection of inferolateral trunk syndrome by neuromonitoring during catheter angiography with provocative testing.** *Journal of neurointerventional surgery*
  Le, S., Dodd, R., López, J., Nguyen, V., Cho, S. C., Lee, L.
  2013; 5 (2)
- **Waveform Analysis of Transcranial Motor Evoked Potentials (TcMEPs) To Predict Impending Motor Deficits in Spinal Surgeries**
  Le, S., Ekwueme, A., Cho, S., Lee, L., Viet Nguyen, Lopez, J.
  LIPPINCOTT WILLIAMS & WILKINS.2013
- **Human umbilical cord blood-derived mononuclear cell transplantation: case series of 30 subjects with Hereditary Ataxia** *JOURNAL OF TRANSLATIONAL MEDICINE*

Yang, W., Zhang, Y., Wu, F., Zhang, M., Cho, S. C., Li, C., Li, S., Shu, G., Sheng, Y., Zhao, N., Tang, Y., Jiang, S., Jiang, et al
2011; 9

- **Chemotherapy-related polyneuropathy may deteriorate quality of life in patients with B-cell lymphoma** *QUALITY OF LIFE RESEARCH*
  Kim, B., Park, H., Roh, H. J., Jeong, D., Kim, B. S., Park, K., Cho, S. C., So, Y. T., Oh, S. Y., Kim, S. J.
  2010; 19 (8): 1097-1103

- **ELECTROPHYSIOLOGIC CORRELATIONS WITH CLINICAL OUTCOMES IN CIDP** *MUSCLE & NERVE*
  Bril, V., Banach, M., Dalakas, M. C., Deng, C., Donofrio, P., Hanna, K., Hartung, H., Hughes, R. A. C., Katzberg, H., Latov, N., Merkies, I. S. J., Van Doorn, P. A., ICE Study Grp
  2010; 42 (4): 492–97

- **Utility of the cutaneous silent period in the evaluation of carpal tunnel syndrome** *CLINICAL NEUROPHYSIOLOGY*
  Koo, Y. S., Park, H., Joo, B., Choi, J., Jung, K., Park, K., Cho, S. C., Kim, B.
  2010; 121 (9): 1584-1588

- **UTILITY OF ELECTRODIAGNOSTIC TESTING IN EVALUATING PATIENTS WITH LUMBOSACRAL RADICULOPATHY: AN EVIDENCE-BASED REVIEW** *MUSCLE & NERVE*
  Cho, S. C., Ferrante, M. A., Levin, K. H., Harmon, R. L., So, Y. T.
  2010; 42 (2): 276-282

- **Utility of the cutaneous silent period in patients with diabetes mellitus** *JOURNAL OF THE NEUROLOGICAL SCIENCES*
  Kim, B., Kim, N., Kim, S. G., Roh, H., Park, H., Park, M., Park, K., Cho, S. C., So, Y. T.
  2010; 293 (1-2): 1-5

- **Intraoperative Neurophysiologic Monitoring in the Endovascular and Surgical Treatment of Pediatric Arteriovenous Malformations**
  Nguyen, V., Cho, S., Chang, S., Steinberg, G., Alto, P., Marks, M., Do, H., Lopez, J.
  LIPPINCOTT WILLIAMS & WILKINS.2010: A501

- **DRIVING WITH POLYNEUROPATHY** *MUSCLE & NERVE*
  Cho, S. C., Katzberg, H. D., Rama, A., Kim, B., Roh, H., Park, J., Katz, J., So, Y. T.
  2010; 41 (3): 324-328

- **Surgical strategies for managing foraminal nerve sheath tumors: the emerging role of CyberKnife ablation** *EUROPEAN SPINE JOURNAL*
  Murovic, J. A., Cho, S. C., Park, J.
  2010; 19 (2): 242-256

- **ELECTROPHYSIOLOGY IN CHRONIC INFLAMMATORY DEMYELINATING POLYNEUROPATHY WITH IGIV** *MUSCLE & NERVE*
  Bril, V., Katzberg, H., Donofrio, P., Banach, M., Dalakas, M. C., Deng, C., Hanna, K., Hartung, H., Hughes, R. A. C., Latov, N., Merkies, I. S. J., van Doorn, P. A., ICE Study Grp
  2009; 39 (4): 448–55

- **Safety and Short-Term Effects of Umbilical Cord Mesenchymal Stem Cell Therapy in Amyotrophic Lateral Sclerosis: Review of Chinese Data**
  Cho, S., Katzberg, H., Kim, B., Roh, H., So, Y. T.
  LIPPINCOTT WILLIAMS & WILKINS.2009: A363

- **Chemotherapy-Related Polyneuropathy Effect on Quality of Life in Patients with Lymphoma**
  Kim, B., Cho, S., Roh, H., So, Y. T.
  LIPPINCOTT WILLIAMS & WILKINS.2009: A219

- **Bilateral isolated phrenic neuropathy causing painless bilateral diaphragmatic paralysis** *NEUROLOGY*
  Lin, P. T., Andersson, P. B., Distad, B. J., Barohn, R. J., Cho, S. C., So, Y. T., Katz, J. S.
  2005; 65 (9): 1499-1501

- **Clinical utility of electrodiagnostic consultation in suspected polyneuropathy** *MUSCLE & NERVE*
  Cho, S. C., Siao-Tick-Chong, P., So, Y. T.
  2004; 30 (5): 659-662

- **Computerized QT dispersion measurement and cardiovascular mortality in male veterans** *AMERICAN JOURNAL OF CARDIOLOGY*
  Shah, B. R., Yamazaki, T., Engel, G., Cho, S., Chun, S. H., Froelicher, V. F.

2004; 93 (4): 483-486

- **Prognostic value of exercise tests in male veterans with chronic coronary artery disease.** *Journal of cardiopulmonary rehabilitation*
  Ghayoumi, A., Raxwal, V., Cho, S., Myers, J., Chun, S., Froelicher, V. F.
  2002; 22 (6): 399-407
- **Peripheral edema** *AMERICAN JOURNAL OF MEDICINE*
  Cho, S., Atwood, J. E.
  2002; 113 (7): 580-586
- **Echocardiographic and magnetic resonance methods for diagnosing hibernating myocardium** *NUCLEAR MEDICINE COMMUNICATIONS*
  Cho, S., McConnell, M. V.
  2002; 23 (4): 331-339
- **Clinical utility of EMG/NCS in patients presenting with distal lower limb paresthesias**
  So, Y. T., Cho, S. C.
  LIPPINCOTT WILLIAMS & WILKINS.2001: A318–A319
- **Multinodular polymyositis in a patient with human immunodeficiency and hepatitis C virus coinfection** *MUSCLE & NERVE*
  Richardson, S. J., LOPEZ, F., Rojas, S., Cho, S. H., Holodniy, M., Herndier, B., Katz, J.
  2001; 24 (3): 433-437