

# Stanford

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## James R. Doty, MD, FACS, FICS, FAANS

Clinical Professor, Neurosurgery

### CLINICAL OFFICES

- **Stanford Neurosurgery Outreach at ECH Melchor Pav**

2490 Hospital Dr Ste 106

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### ACADEMIC CONTACT INFORMATION

- **Alternate Contact**

Aysha Ali - Administrative Assistant

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## Bio

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### CLINICAL FOCUS

- Neurological Surgery
- Complex Spine Disorders
- Minimally Invasive Spine Surgery
- Brain Tumor Surgery
- Stereotactic Radiosurgery
- Pediatric Neurological Surgery

### ACADEMIC APPOINTMENTS

- Clinical Professor, Neurosurgery

### ADMINISTRATIVE APPOINTMENTS

- Board of Directors, Chairman & CEO, Accuray, Inc. (manufacturer of the CyberKnife), (1997-1999)
- Board of Directors, California Association of Neurological Surgeons, (1996-1999)
- Board of Directors, Chairman (2009-2010), Dalai Lama Foundation, (2007-2016)
- International Board of Advisors, Council for a Parliament of the World's Religions, (2009- present)
- Advisory Board, Heroic Imagination Project, (2009- present)
- Board of Directors Vice-Chairman, Friends of New Orleans, (2008-2015)
- Board of Governors, Tulane University School of Medicine, (2007- present)
- Advisory Board, The Fogarty Institute of Innovation, (2007- present)

- Board of Directors, The Brain and Creativity Institute at USC, (2008-2011)
- Founder & Director, The Center for Compassion and Altruism Research and Education at Stanford, (2008- present)
- Director, The Neuroscience Institute at El Camino Hospital, (2008- present)
- Advisory Board, Social Chocolate SuperBetter, (2011-2014)
- Board of Directors, Association for Medical Ethics, (2012-2015)
- Advisory Board, Greater Good Science Center, (2012- present)

## HONORS AND AWARDS

- "Best Doctor", America's Best Doctors (2005-2018)
- America's Top Surgeons, Consumer's Research Council of America (2005-2018)
- "Healthcare Hero", New Orleans CityBusiness Journal (2008)
- Member (Outstanding Alumnus-Tulane University), The Paul Tulane Society (2008)
- Member, Founder's Circle Stanford University (2009)

## PROFESSIONAL EDUCATION

- Medical Education: Tulane University School of Medicine Registrar (1981) LA
- Internship: Tripler Army Medical Center GME Training Verifications (1982) HI
- Board Certification: Neurological Surgery, American Board of Neurological Surgery (1990)
- Residency: Walter Reed Army Medical Center (1987) DC
- M.D., Tulane University , Medicine (1981)
- B.S., University of California, Irvine , Biological Sciences (1978)

## LINKS

- Center for Compassion and Altruism Research and Education: <https://compassion.stanford.edu>

## Research & Scholarship

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### CURRENT RESEARCH AND SCHOLARLY INTERESTS

My interest for many years has focused on neuro-oncology (brain tumors) and utilizing both surgery and stereotactically focused radiation to treat solid tumors of the nervous system primarily utilizing the CyberKnife.

In addition, I am an expert in complex and minimally invasive spine surgery.

More recently, my interests revolve around understanding the neural, social and mental bases of compassion and altruism using a multi-disciplinary approach.

## Publications

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### PUBLICATIONS

- **Altering the Trajectory of Affect and Affect Regulation: the Impact of Compassion Training** *MINDFULNESS*  
Jazaieri, H., McGonigal, K., Lee, I. A., Jinpa, T., Doty, J. R., Gross, J. J., Goldin, P. R.  
2018; 9 (1): 283–93
- **The Current and Future Role of Heart Rate Variability for Assessing and Training Compassion.** *Frontiers in public health*  
Kirby, J. N., Doty, J. R., Petrocchi, N., Gilbert, P.  
2017; 5: 40-?

- **A wandering mind is a less caring mind: Daily experience sampling during compassion meditation training** *JOURNAL OF POSITIVE PSYCHOLOGY*  
Jazaieri, H., Lee, I. A., McGonigal, K., Jinpa, T., Doty, J. R., Gross, J. J., Goldin, P. R.  
2016; 11 (1): 37-50
- **Multiple Facets of Compassion: The Impact of Social Dominance Orientation and Economic Systems Justification** *JOURNAL OF BUSINESS ETHICS*  
Martin, D., Seppala, E., Heineberg, Y., Rossomando, T., Doty, J., Zimbardo, P., Shiue, T., Berger, R., Zhou, Y.  
2015; 129 (1): 237-249
- **A randomized controlled trial of compassion cultivation training: Effects on mindfulness, affect, and emotion regulation** *MOTIVATION AND EMOTION*  
Jazaieri, H., McGonigal, K., Jinpa, T., Doty, J. R., Gross, J. J., Goldin, P. R.  
2014; 38 (1): 23-35
- **Pilot study of a compassion meditation intervention in chronic pain.** *Journal of compassionate health care*  
Chapin, H. L., Darnall, B. D., Seppala, E. M., Doty, J. R., Hah, J. M., Mackey, S. C.  
2014; 1
- **Enhancing Compassion: A Randomized Controlled Trial of a Compassion Cultivation Training Program** *JOURNAL OF HAPPINESS STUDIES*  
Jazaieri, H., Jinpa, G. T., McGonigal, K., Rosenberg, E. L., Finkelstein, J., Simon-Thomas, E., Cullen, M., Doty, J. R., Gross, J. J., Goldin, P. R.  
2013; 14 (4): 1113-1126
- **Social Connection and Compassion: Important Predictors of Health and Well-Being** *SOCIAL RESEARCH*  
Seppala, E., Rossomando, T., Doty, J. R.  
2013; 80 (2): 411-430
- **Intramedullary spinal cord metastasis from prostate carcinoma: a case report.** *Journal of medical case reports*  
Lieberson, R. E., Veeravagu, A., Eckermann, J. M., Doty, J. R., Jiang, B., Andrews, R., Chang, S. D.  
2012; 6 (1): 139-?
- **Image-guided robotic radiosurgery: Clinical and radiographic results with the CyberKnife** *4th International-Stereotactic-Radiosurgery-Society Congress*  
Chang, S. D., MURPHY, M. J., Martin, D. P., Hancock, S. L., Doty, J. R., Adler, J. R.  
KARGER.2000: 23-33
- **Treatment of cavernous sinus tumors with linear accelerator radiosurgery** *SKULL BASE SURGERY*  
Chang, S. D., Doty, J. R., Martin, D. P., Hancock, S. L., Adler, J. R.  
1999; 9 (3): 195-199
- **Clinical experience with image-guided robotic radiosurgery (the Cyberknife) in the treatment of brain and spinal cord tumors** *NEUROLOGIA MEDICO-CHIRURGICA*  
Chang, S. D., Murphy, M., Geis, P., Martin, D. P., Hancock, S. L., Doty, J. R., Adler, J. R.  
1998; 38 (11): 780-783
- **The cyberknife: A frameless robotic system for radiosurgery** *XIIth Meeting of the World Society for Stereotactic and Functional Neurosurgery*  
Adler, J. R., Chang, S. D., MURPHY, M. J., Doty, J., Geis, P., Hancock, S. L.  
KARGER.1997: 124-28