David L. Greenwald, M.D., FAANS, FACS

Board-Certified Neurosurgeon | Spine Surgery Specialist

Professional Summary

Experienced neurosurgeon with over three decades of clinical and surgical expertise in minimally invasive spine surgery, complex spinal reconstruction, neuro-oncology, and peripheral nerve procedures. Board-certified in Neurological Surgery and Independent Medical Examination. Holds active licenses in New Jersey, California, Florida, and Arizona. Published in Nature, Journal of Neurosurgery, and other peer-reviewed journals. Recognized with numerous patient care awards and professional honors.

Education

Degree/Training	Institution	Location	Dates
Neurosurgery Residency	University of Florida – Shands Hospital	Gainesville, FL	1992–1998
Dept of Surgery Internship	University of Florida – Shands Hospital	Gainesville, FL	1991–1992
M.D.	University of Southern California	Los Angeles, CA	Graduated 1991
A.B., Chemistry	Occidental College	Los Angeles, CA	Graduated 1986

Licensure & Certification

Diplomate, American Board of Neurological Surgery (2003, Re-certified 2013)

Certified Independent Medical Examiner (2013)

Medical Licenses:

- New Jersey- Active
- Florida - Active
- California – Active
- Arizona – Active

DEA License – Active

Fellow, American College of Surgeons (FACS)

Fellow, American Association of Neurological Surgeons (FAANS)

Employment History

Hess Spine and Orthopedics, LLC -- New Jersey (2025-Present)

Staff Neurosurgeon, Broward General Hospital — Fort Lauderdale, FL (2018–Present)

Neurosurgeon, San Diego Neurosurgery & Spine Institute — Encinitas, CA (2003–2006)

Neurosurgeon, North Ridge Neuroscience Center — Fort Lauderdale, FL (1998–2003)

Research Experience

- Mechanisms of Neuronal Cell Death and Protection in Cerebral Ischemia – University of Florida (1994–1998)
- Absorbable Mesh Reinforcement of Small Bowel Anastomoses – LAC-USC, Department of Surgery (1988–1991)
- Analysis of Human Peritoneal Fluid and Follicle Regulatory Protein – LAC-USC OB/GYN (1986)
- Purification and Characterization of Tumor Necrosis Factor – Rockefeller University (1984–1985)

Clinical Interests

- Minimally Invasive Spine Surgery
- Complex Spine/Scoliosis Surgery
- Surgical Neuro-Oncology
- Peripheral Nerve Surgery

Publications

- Beutler B, Greenwald D, et al. Identity of Tumor Necrosis Factor and the Macrophage-Secreting Factor Cachectin. Nature. 1985;316:552–554.
- Shimohama S, Greenwald D, et al. Nicotinic α7 Receptor Activation Protects Against Glutamate Neurotoxicity. Brain Research. Accepted.
- Simpkins JW, Greenwald D, et al. Estrogens Reduce Ischemic Damage in Female Rats. J Neurosurg. 1997;87(5):724–730.
- Greenwald D, Nakamura R, DiZerega G. Determination of pH and pKa in Human Peritoneal Fluid. Current Surgery. 1998;45:217–218.
- Greenwald D, Katt EL, Yanagihara DL, et al. Characterization of Immunoreactive Follicle Regulatory Protein in Urine During the Normal Menstrual Cycle.

Book Chapter

Greenwald D, Fessler RG, Peace D. Surgical Approaches: Cervicothoracic and Upper Thoracic Spine. In: Benzel E, Stillerman C, eds. Thoracic Spine. 1999:17–207.

Scientific Presentations

- Greenwald D, Kim DH, Day AL. Remote Posterior Fossa Hemorrhage as a Complication after Supratentorial Craniotomy. Joint Section on Cerebrovascular Surgery. Anaheim, CA, 1997.
- Guy J, Bhatti MT, Greenwald D, Day AL. Peroxynitrite-Mediated Oxidative Injury in Optic Nerve Ischemia. American Neurological Association. Miami, FL, October 1996.
- Bhatti MT, Guy J, Greenwald D, et al. Oxidative Injury in Ischemic Optic Neuropathy. Investigative Ophthalmology and Visual Science. April 1996.
- Greenwald D, Yu CJ, Ma Rill BA, Crews F, Day AL. NMDA Receptor Alterations in Gerbils after Global Ischemia. Congress of Neurological Surgeons. San Francisco, CA, October 1995.

Honors & Awards

- Patients' Choice Award (2008–2014)
- Most Compassionate Doctor (2010–2014)
- Jacksonville Magazine "Top Doctor" (2012–2014)
- Outstanding Neurosurgical Resident, University of Florida (1998)
- Alpha Omega Alpha Honor Society (Inducted 1990)
- Dean's Scholar, USC Keck School of Medicine

Professional Affiliations

- American Association of Neurological Surgeons (FAANS)
- Congress of Neurological Surgeons
- American College of Surgeons
- Alpha Omega Alpha Medical Honor Society
- American Medical Association
- California Medical Association
- Florida Medical Association

Hospital Affiliations

Broward General Hospital – Fort Lauderdale, FL (2018–Present)