

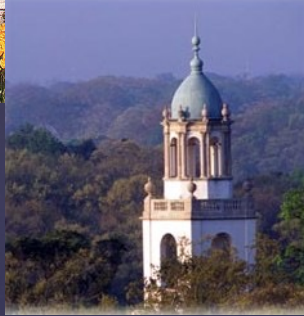


EMORY
UNIVERSITY
SCHOOL OF
MEDICINE

Department of
Neurosurgery



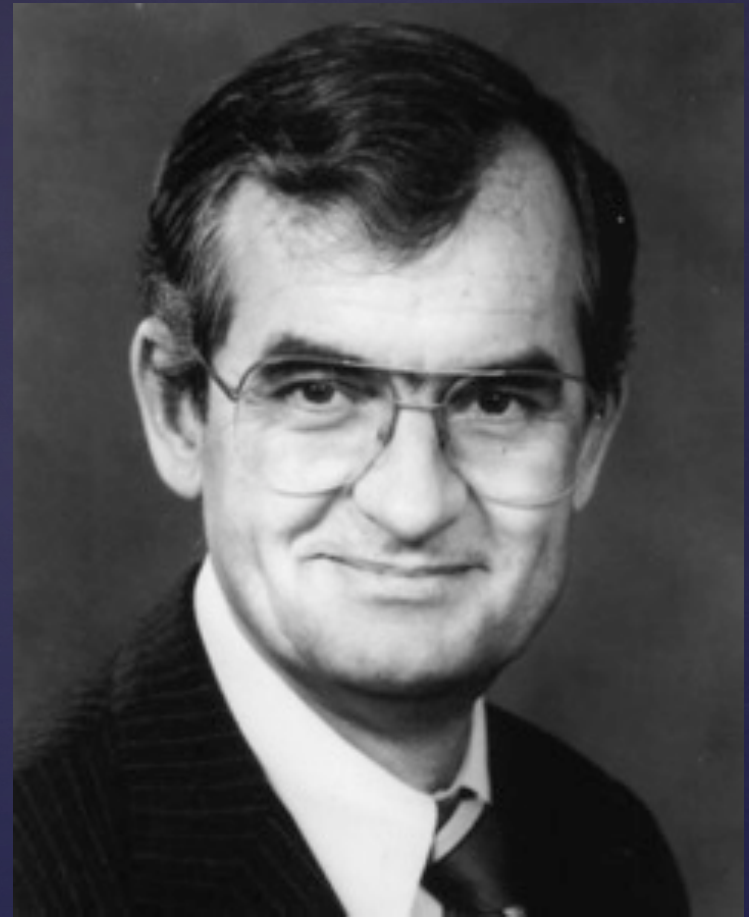
WELCOME TO ATLANTA AND TO EMORY!



...Virtually

History of Emory Neurosurgery

- **Father of Modern Residency Program at Emory**
- M.D. – University of Mississippi
- Internship – Johns Hopkins
- Residency – Duke
- Chief of Division of Neurosurgery at UTMB 1968 – 1971
- 1971 – Recruited to Emory Hospital
- Pioneer in Transsphenoidal Pituitary Surgery
- Chairman 1971 - 1995



George T. Tindall, M.D.
1928 -

History of Emory Neurosurgery

- Torch passed by Tindall to Dr. Barrow in 1995
- One of youngest chairmen in Neurosurgery
- One of longest running chairmen in Neurosurgery
- M.D. – Southern Illinois
- Residency – Emory
- Fellowship – Mayo (Sundt/Piepgras), BNI (Spetzler)
- Modernized and Revolutionized our Department



Daniel L. Barrow, M.D.
1955 -

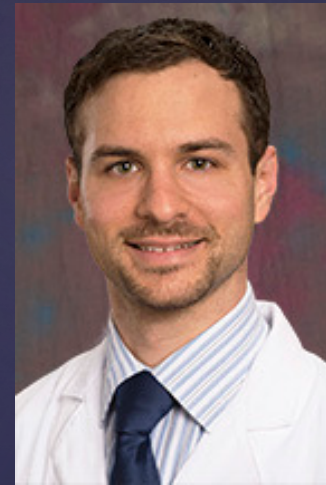
Current Emory Leadership



Daniel Barrow, M.D.
Chairman



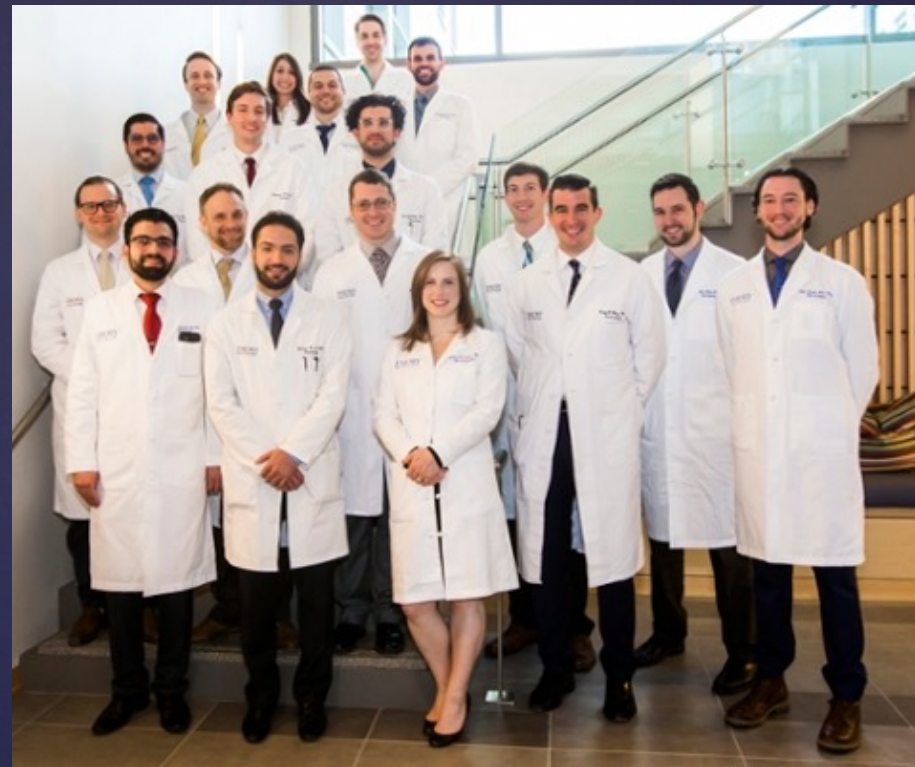
Jonathan Grossberg, M.D.
Program Director



Matthew F. Gary, M.D.
Assistant Program Director

Emory University Department of Neurosurgery Residency Program

- Only neurosurgery training program in the metropolitan region of 6 million people and is one of 2 in the state of Georgia (10 million)
- 7-year program, now 4 residents per year
- RRC approved for complement of 28 total residents
- Broad range of clinical opportunities and exposure to ALL aspects of clinical Neurosurgery



Emory Program Philosophy: *What will we do for you?*

- Learn to Operate
- Become a Physician-Scientist
- Academic Support
- Career Development
- Opportunities to enjoy life outside of the hospital





Resident Rotation Schedule

- PGY-1 Neurosurgery service (4 mos: EUH, Grady x3), Neuro ICU (3 mos: EUHx2, Grady), Neuro-ophthalmology (1 mo), Rads/Path (1 mo), ENT (1 mo), Peds surgery (1 mo), NeuroEndocrine/NeuroOncology Clinic (1 mo)
- PGY- 2 Emory University Hospital Junior Resident – Days (6 months), Night float (3 months), Clinic (3 months, also Anesthesia during 1st month)
- PGY-3 Grady Memorial Hospital Junior Resident – Days (3 months), Night float (3 months), INR (3 months), SRS (1 month), Skull Base Lab (1 month)
- PGY-4 Emory University Hospital Midtown (6 months), Pediatric Neurosurgery (6 months: 4 at Scottish Rite, 2 at Egelston)
- PGY-5 Transition to practice elective; Research, Electives
- PGY-6 Research, Electives
- PGY-7 Chief Resident (EUH 6 months, Grady 3 months, EUHM 3 months)

* Likely transition to PGY6 Chief year



Emory University Neurosurgery Residency Program

6400+ operative neurosurgical procedures are performed annually making this one of the top programs in clinical volume.

Hospitals

- Emory University Hospital (EUH) – Academic, Tertiary Referral Center
- Emory University Hospital Midtown (EUHM) - "Privademic"
- Grady Memorial Hospital (GMH) – Level 1 Trauma Center
- Children's Healthcare of Atlanta – Henrietta Egleston Hospital (Eg) and Scottish Rite Children's Hospital (Scottish) – Level 1 and 2 Trauma Center
- Emory St. Joseph's Hospital (ESJH)- "Privademic"



Emory University Hospital

Craniotomy

Aneurysms	66
Vascular Malformations	49
Tumor	346
Epilepsy	4
Trans-sphenoidal Pituitary	142
Non-Tumor/Vasc	220

Spine	139
Pain	61
DBS Movement	118
LITT/DBS Epilepsy	74
Interventional Neurorads	424



CSF Diversion	145
EVDs	234
LD/LP	204
Total	1800+





ZEISS

KINEVO
900

KINEVO 1
ONLY WORKS WITH
FOOT PEDAL

Emory University Hospital Midtown

Craniotomy

Tumor 71

Endoscopic 17

Non-tumor 43

Spine

Cervical 323

Thoracic/Lumbar 544

Total 998





Grady Memorial Hospital

Trauma Craniotomy	292
Non-trauma Craniotomy	83
Aneurysms	8
Tumor	57
Spine	230
Cervical	146
Thoracic/Lumbar	85
Endovascular	310
EVD	226



Grady Memorial Hospital





Children's Healthcare of Atlanta at Egleston

Craniotomy	108
Tumor Surgery	32
Trauma	76
Craniofacial Reconstruction	2
Spinal Neurosurgery	48
CSF Diversion	119
Total	385



Children's Healthcare of Atlanta at Scottish Rite

Craniotomy

Tumor Surgery	96
Epilepsy Surgery	25
Trauma	161
Spinal	141
CSF Diversion	416
EVD	43
Total	839



Arthur M. Blank Hospital



Emory St. Joseph's Hospital

Craniotomy		EVDs	20
Tumor	63	LP/LDs	10
Trauma	23	Total	690
Pain	3		
Spine	423		
CSF Diversion	28		
SRS	150		



Faculty Subspecialties

Cerebro-vascular	Epilepsy + Functional	Spine	Pediatrics	Trauma	Tumor	Peripheral Nerve/Pain	Endo-vascular
Barrow	Gross	Rodts	Boydston	Pradilla	Olson	Boulis	Cawley
Cawley	Boulis	Refai	Wrubel	Gupta	Hoang	Rodts	Tong
Pradilla	Au Yong	Gary	Reisner	Ahmad	Pradilla		Howard
Grossberg	Chern	Ahmad	Brahma	Grossberg	Grossberg		Grossberg
Howard		Gimbel	Chern	Gimbel	Adamson		Pabaney
Pabaney		Wrubel	Sawvel	Reisner	Nduom		
		Brahma					

Educational Conferences

- Grand rounds held every Thursday - 6:30 am to 8:30 am
 - Faculty didactic lectures
 - Case conference
 - Combined Neurosurgery/Neuroradiology conference
 - Invited guest lectures
 - Research Conference



Educational Conferences

- Education Night
 - Monthly event held at faculty houses
- Journal Clubs
- Sponsored Courses
- Several multidisciplinary conferences at different hospitals including: epilepsy conference, tumor board, pituitary club, endovascular conference, stroke conference, spine case conference, etc...

Academic Benefits

- ACGME accredited program
- Wide range of research opportunities
- Digital library plus yearly book reimbursement
- ABNS Exam starting PGY-2 Year
- Custom surgical loupes
- Full reimbursement for regional/national meeting presentations (~\$1500/resident)
- Skull Base Anatomy and Dissection Lab
- Chief Resident all-expense paid conference-of-choice trip
- Mock oral exams held twice a year utilizing the ABNS format
- Christmas or New Year's off each year
- Midlevel Support for consents, ICU, floor work



Academic Benefits



Emory Neurosurgery Research

Research Facilities

The research facilities utilized by the training program span the Emory University campus.

- Dr. Robert Gross – epilepsy, movement disorders, and neuronal regeneration
- Dr. Nicholas Boulis - gene and cell therapy for neurorestoration laboratory
- Dr. Jeff Olson - clinically-related neuro-oncology
- Dr. Gustavo Pradilla – Skull Base Laboratory and Cerebrovascular Research Laboratory – Vasospasm and ICH research – at Woodruff Memorial Research Building
- Dr. Jonathan Grossberg- cerebrovascular outcomes and basic science
- Dr. Nick Au Yong – Spinal cord injury lab
- Dr. Kim Hoang – Surgical robotics and novel device development in Neuro-oncology
- Dr. Edjah Nduom – Immunomodulation for the treatment of malignant brain tumors
- Dr. David Gimbel – Alzheimer’s and Traumatic Brain Injury

Research at other locations on the Emory University campus and at other institutions such as

- Yerkes Primate Center
- Georgia Tech (Biomedical Engineering)
- Emory Graduate Neuroscience Program
- Centers for Disease Control
- American Cancer Society

SNS PGY-1 Bootcamp Host

Participating Programs

Louisville

Medical University of South Carolina

Kentucky

Wake Forest

University of North Carolina

South Florida

Duke

University of Alabama

Medical College of Georgia

Miami

Puerto Rico

Memphis

University of Virginia

Virginia Commonwealth



Things we like to do (that aren't work)





Emory Neurosurgery Softball Team

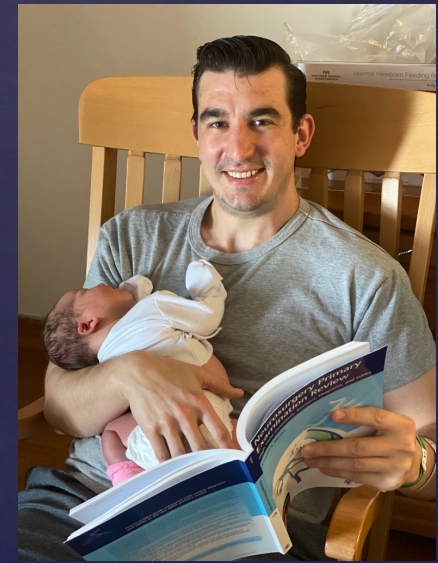
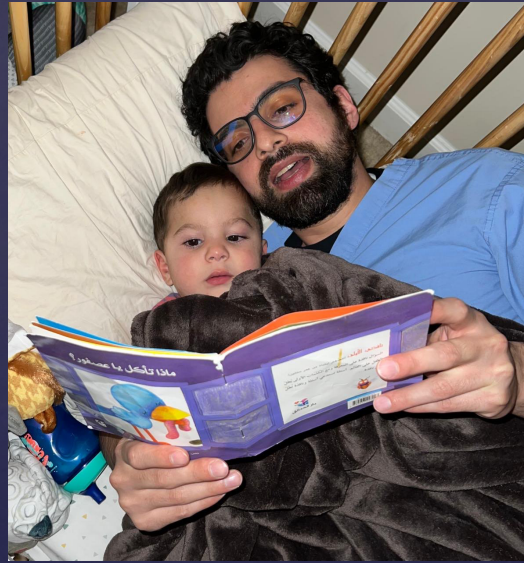


Department Parties





Spouses, Houses, and...



...Babies



More "Babies"



Atlanta Facts

You can own a house on a resident salary

You can be outside without a coat in January

There are many world-class restaurants, bars, clubs, breweries....

It is a diverse city

There are lots of single people...

And there are lots of families

There are pro basketball, football, soccer and baseball teams

There are two college football teams

The good concerts come here

People are nicer in The South

You are in short driving distance of great hiking, biking, golf, fishing, hunting, beach, camping....

You can fly direct to Europe, South America and Africa (Delta hub!)

Atlanta!





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