

CURRICULUM VITAE

DATE: June 2025

NAME: Sudipta Roychowdhury, MD, FACR

PRESENT TITLE: Interim Chair of Radiology Rutgers-RWJMS & RWJUH
Clinical Professor of Radiology
Clinical Professor of Neurosurgery
Clinical Professor of Neurology
Rutgers – Robert Wood Johnson Medical School
Fellow of the American College of Radiology
Director of Diagnostic Neuroradiology, RWJUH
Director of Interventional Neuroradiology, RWJUH

OFFICE ADDRESS: University Radiology Group, LLC
579 A Cranbury Road
East Brunswick, New Jersey 08816

TELEPHONE NUMBER: 732-390-0040

E-MAIL ADDRESS: sroychowdhury@univrad.com

CITIZENSHIP: USA

EDUCATION:

A. Undergraduate

Northwestern University
Evanston, IL
B.S. in Biomedical Engineering June 1989

B. Graduate

Northwestern University Medical School
Chicago, IL
M.D. June 1992

POSTGRADUATE TRAINING:**A. Internship and Residency**

Saint Joseph Hospital
Chicago, IL
Internal Medicine

July 1992 – June 1993

Northwestern University

Chicago, IL

Diagnostic Radiology Residency

July 1993 – June 1997

B. Fellowship

University of Pennsylvania

Hospital of the University of Pennsylvania

Children's Hospital of Philadelphia

Diagnostic and Interventional Neuroradiology Fellowship

July 1997 – June 1999

MILITARY: N/A

ACADEMIC APPOINTMENTS:

Department of Radiology

Rutgers-Robert Wood Johnson Medical School

Interim Chair of Radiology

2024

Department of Radiology

Rutgers-Robert Wood Johnson Medical School

Clinical Professor of Radiology

July 2020 – present

Department of Neurology

Rutgers-Robert Wood Johnson Medical School

Clinical Professor of Neurology

July 2020 – present

Department of Neurosurgery

Rutgers-Robert Wood Johnson Medical School
Clinical Professor of Neurosurgery
July 2020 – present

Department of Radiology
Rutgers-Robert Wood Johnson Medical School
Clinical Associate Professor of Radiology
July 2014 – June 2020

Department of Neurology
Rutgers-Robert Wood Johnson Medical School
Clinical Associate Professor of Neurology
July 2018 – June 2020

Department of Neurosurgery
Rutgers-Robert Wood Johnson Medical School
Clinical Associate Professor of Neurosurgery
November 2019 – June 2020

Department of Radiology
UMDNJ-Robert Wood Johnson Medical School
Clinical Assistant Professor of Radiology
July 1999 – June 2014

HOSPITAL APPOINTMENTS:

Department of Radiology
Robert Wood Johnson University Hospital
Interim Chair of Radiology
2024

Department of Radiology
Robert Wood Johnson University Hospital
One Robert Wood Johnson Place
New Brunswick, NJ 08903
Attending Radiologist: Neuroradiologist

July 1999 – present

Department of Radiology

Robert Wood Johnson University Hospital - Somerset

110 Rehill Avenue

Somerville, NJ 08876

Attending Radiologist: Neuroradiologist

September 2017 – present

Department of Radiology

St. Peter's University Hospital

254 Easton Avenue

New Brunswick, NJ 08903

Attending Radiologist: Neuroradiologist

July 1999 – January 2012, July 2013 - present

Department of Radiology

Jersey City Medical Center

355 Grand Street

Jersey City, NJ 07302

Attending Radiologist: Neuroradiologist

July 2011 – present

Department of Radiology

Trinitas Regional Medical Center

225 Williamson Street

Elizabeth, NJ 07202

Attending Radiologist: Neuroradiologist

July 2008 – present

Department of Radiology

Raritan Bay Medical Center

530 New Brunswick Avenue

Perth Amboy, NJ 08861

Attending Radiologist: Neuroradiologist

July 1999 – present

OTHER EMPLOYMENT OR MAJOR VISITING APPOINTMENTS:

N/A

PRIVATE PRACTICE

University Radiology Group, P.C.
579A Cranbury Road
East Brunswick, NJ 08816
July 1999 - present

LICENSURE:

M.D. / New Jersey 25MA0689200

DRUG LICENSURE:

CDS:
DEA: BR4843531

CERTIFICATION:

National Board of Medical Examiners
July 1993

Diagnostic Radiology
American Board of Radiology
June 1997 - Current

Certificate of Added Qualification
Neuroradiology
American Board of Radiology
June 1999 – Current

Maintenance of Certification of Added Qualification
Neuroradiology
American Board of Radiology
May 2009 – Current

MEMBERSHIPS, OFFICES AND COMMITTEE ASSIGNMENTS IN PROFESSIONAL SOCIETIES:

Society of Neuro-Interventional Surgery (SNIS) 2003 – present
American Society of Neuroradiology (ASNR), Senior Member 1999 - present
American Medical Association (AMA) 1997 - present
Radiological Society of North America (RSNA) 1997 - present
American College of Radiology (ACR) 1999 -present
Medical Society of New Jersey 1999 - present
Radiological Society of New Jersey 1999 – present

HONORS AND AWARDS:

Honors Program in Medical Education – Northwestern University 1985-1992
B.S. with Highest Distinction – Northwestern University 1989
Alpha Omega Alpha – Northwestern University Medical School 1992
Chief Resident in Radiology - Northwestern University 1996
Best Paper Award for Head and Neck Radiology – ASNR 1998
Volunteer Faculty Award Rutgers Robert Wood Johnson Medical School 2015
Inaugural Robert Wood Johnson University Hospital - RWJ Barnabas Health
Clinician of the Month Award for January 2019
Fellow of the American College of Radiology 2022
Teacher of the Year, Rutgers RWJMS Radiology Residency 2022
Saint Peters University Hospital Physician Nurse Partner Award 2023

Castle Connolly Top Doctor 20 years
Castle Connolly Inaugural Top AAPI Doctor 2023
Castle Connolly Top AAPI Doctor 2024
Castle Connolly Top AAPI Doctor 2025
Castle Connolly Top Doctor Award New York Metro Area 2007
Castle Connolly Top Doctor Award New York Metro Area 2008
Castle Connolly Top Doctor Award New York Metro Area 2009
Castle Connolly Top Doctor Award New York Metro Area 2010
Castle Connolly Top Doctor Award New York Metro Area 2011
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Castle Connolly Top Doctor Award New York Metro Area 2021
Castle Connolly Top Doctor Award New York Metro Area 2022
Castle Connolly Top Doctor Award New York Metro Area 2023
Castle Connolly Top Doctor Award New York Metro Area 2024
New York Magazine Top Doctor Award 2007
New York Magazine Top Doctor Award 2008
New York Magazine Top Doctor Award 2009
New York Magazine Top Doctor Award 2014
New York Magazine Top Doctor Award 2016
New York Magazine Top Doctor Award 2017
New York Magazine Top Doctor Award 2018
New York Magazine Top Doctor Award 2019
New York Magazine Top Doctor Award 2021
New York Magazine Top Doctor Award 2022
New York Magazine Top Doctor Award 2023
New York Magazine Top Doctor Award 2024
NJ.com Top Doctor 200
Jersey's Best Magazine Top Doctor 2009
Jersey's Best Magazine Top Doctor 2010
Jersey's Best Magazine Top Doctor 2011
Jersey's Best Magazine Top Doctor 2012
Jersey's Best Magazine Top Doctor 2013
Jersey's Best Magazine Top Doctor 2014
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Jersey's Best Magazine Top Doctor 2019
Jersey's Best Magazine Top Doctor 2020

Jersey's Best Magazine Top Doctor 2021
Jersey's Best Magazine Top Doctor 2022
Jersey's Best Magazine Top Doctor 2023
Jersey's Best Magazine Top Doctor 2024
Jersey's Best Magazine Top Doctor for Children 2012
Jersey's Best Magazine Top Doctor for Children 2013
Jersey's Best Magazine Top Doctor for Children 2014
Jersey's Best Magazine Top Doctor for Children 2015
Jersey's Best Magazine Top Doctor for Children 2016
Jersey's Best Magazine Top Doctor for Children 2018
New Jersey Monthly Top Doctors 2016
New Jersey Monthly Top Doctors 2017
New Jersey Monthly Top Doctors 2019
New Jersey Monthly Top Doctors 2020
New Jersey Monthly Top Doctors 2024
Jersey's Best Magazine Top Doctor for Cancer 2023
Jersey's Best Magazine Top Doctor for Cancer 2024
Jersey's Best Magazine Top Doctor for Cancer 2025

BOARDS OF DIRECTORS/TRUSTEES POSITIONS:

Board of Directors, University Radiology Group, PC 2004–2010
Board of Managers, University Radiology Group, LLC 2024-Present
Secretary, University Radiology Group, PC 2006–2007
Partner, University Radiology Group, 2002-present

SERVICE ON NATIONAL GRANT REVIEW PANELS, STUDY SECTIONS, COMMITTEES:

N/A

SERVICE ON MAJOR COMMITTEES:

American Society of Neuroradiology Annual Meeting abstract reviewer 2006–present
Journal of Neuro-Interventional Surgery abstract reviewer 2013–present
Co-Chairman University Radiology Group Manpower Committee – 2004-2007

SERVICE ON GRADUATE SCHOOL COMMITTEES:

Member Volunteer Faculty Committee Robert Wood Johnson Medical School 2006-present
Rutgers ACGME Neurosurgery Residency review committee 2023
RWJMS Executive Council 2024- Present

SERVICE ON HOSPITAL COMMITTEES:

Member Stroke Steering Committee, Robert Wood Johnson University Hospital 2005-present
Chairperson Neuro-Endovascular Quality-Assurance Committee 2012 – present
New Jersey Brain Aneurysm and AVM Program 2012 – present
Vascular Anomalies and Malformations Program (VAMP) 2015 – present
Co-Director Neurological Disorders in Pregnancy 2016 – present
Robert Wood Johnson University Hospital Medical Executive Committee Member-At-Large
Position 2021-2024 Term
Robert Wood Johnson University Hospital Medical Executive Committee – Interim Chair of
Radiology 2024- Present
Medical Executive Committee Bylaws Committee 2023
RWJUH Clinical Chairs Committee 2024- Present
Rutgers RWJMS Executive Council 2024-Present

SERVICE TO THE COMMUNITY:

Board of Health member for Cranbury NJ – 2011-2019 (Vice Chairman 2015-2016)
Cub Scouts of America Pack 52 – Pack Leadership Committee Secretary 2009-2013
New Jersey Department of Health Stroke Advisory Panel – 2022- present

SPONSORSHIP OF CANDIDATES FOR POSTGRADUATE DEGREE: N/A**SPONSORSHIP OF POSTDOCTORAL FELLOWS:**

Endovascular Neurosurgery Fellows Trained:

1. Mohammed El-Ghanem, MD- Currently Neurointerventional Surgeon- University of Arizona, Tucson, AZ

Neurosurgery Research Fellows Trained:

1. Sanjeev Sreenivasan MBBS - Currently Functional Neurosurgery – Northwell Health , NY
2. Arevik Abramyan

TEACHING RESPONSIBILITIES:**A. Lectures – Neuroradiology Faculty for Diagnostic Radiology Residents for RWJMS (1999 to present):**

Endovascular Treatment of Stroke (1 hour)

Endovascular Treatment of Brain Aneurysms (1 hour)

Functional MRI of the Brain (1 hour)

Diffusion Tensor Imaging of the Brain (1 hour)

Brain and Neck MRA (1 hour)

Brain and Neck CTA (1 hour)

Magnetic Resonance Spectroscopy (1 hour)

Spine Interventions (1 hour)

MRI and CT of the Spine (1 hour)

Spinal Trauma Imaging (1 hour)

Brain Trauma Imaging (1 hour)

Intracranial Angioplasty and Stenting (1 hour)

Carotid Angioplasty and Stenting (1 hour)

Brain Anatomy (1 hour)

Spine Anatomy (1 hour)

Head and Neck Anatomy (1 hour)

Neurovascular Anatomy (1 hour)

Head and Neck Tumors (1 hour)

Child Abuse Imaging and Medicolegal Issues (1 hour)

Special Course on Medicolegal and Malpractice Issues in Radiology (1 hour)

Special Course on Medicolegal and Malpractice Issues in Neurosurgery (1 hour)

CLINICAL RESPONSIBILITIES:

Interim Chair of Radiology, Robert Wood Johnson University Hospital & Robert Wood Johnson Medical School 2024-present

Director of Diagnostic Neuroradiology, Robert Wood Johnson University Hospital 2022-present

Director of Interventional Neuroradiology, Robert Wood Johnson University Hospital 2012-present

Director of Magnetic Resonance Imaging, Robert Wood Johnson University Hospital 2005-2024

Attending Diagnostic and Interventional Neuroradiologist
University Radiology Group, PC 1999-present

GRANT SUPPORT

1. Philanthropic gift to Dr. Gaurav Gupta / Dr. Sudipta Roychowdhury - \$1,200,000- Connie and James Hughes Center for brain aneurysm research- via Rutgers foundation Dec 17, 2020
2. Philanthropic gift to Dr. Gaurav Gupta / Dr. Sudipta Roychowdhury - \$50,000- Connie and James Hughes- via Rutgers foundation- May 14, 2019
3. Philanthropic gift to Dr. Gaurav Gupta / Dr. Sudipta Roychowdhury - \$750,000 part -1- Richard Nolan and Lin Cresi Trust via Rutgers foundation- Dec 2019
4. Philanthropic gift to Dr. Gaurav Gupta / Dr. Sudipta Roychowdhury - \$750,000 part -2- Richard Nolan and Lin Cresi Trust via Rutgers foundation- Dec 2019

RESEARCH IRBs:

1. WEAVE™ Trial: Wingspan® Stent System Post Market Surveillance Study: - Sponsored by Stryker Inc. A Food and Drug Administration (FDA) mandated prospective, single-arm, consecutive

enrollment, post market surveillance study- Site P.I Gaurav Gupta, MD Co-P.I **Sudipta Roychowdhury, MD**

2. Combined Interventional Approach of Pelvic and Sacral Tumors: Review of Patient Cohort Treatment Course Following Angiographic Embolization, Thermal/Radiofrequency Ablation, Cavity Sclerosis and Sacroplasty; P.I. John Noshier, MD Co- P.I. Gaurav Gupta, MD, **Sudipta Roychowdhury, MD**, Sri Hari Sunderajan, MD 2013 Protocol # 2013003434
3. Neuroform Stent for wide neck brain aneurysm. P.I. Gaurav Gupta, MD; Co-Investigators **Sudipta Roychowdhury, MD** Irwin Keller, MD Steven Schonfeld, MD protocol Pro 2013002914
4. Wingspan intracranial stent for intracranial atherosclerotic disease: P.I. Gaurav Gupta, MD; Co-Investigators **Sudipta Roychowdhury, MD** Irwin Keller, MD James McKinney, MD. Protocol #2013002939
5. Enterprise for stent assisted coiling of brain aneurysms. P.I Gaurav Gupta, MD; Co-Investigators **Sudipta Roychowdhury, MD** Irwin Keller, MD Steven Schonfeld, MD protocol # 2013002706
6. Selecting for Cetuximab Responders in Advanced Head and Neck SCC. P.I. Sung Kim; Co-Investigator **Sudipta Roychowdhury** Protocol #2013003184
7. Endovascular Management of Maxillofacial Pseudoaneurysms. John Noshier, **S. Roychowdhury**, Gaurav Gupta, Sarah Pettyjohn, Irwin Keller Protocol # 20160000210
8. Determining the Efficacy of Treatment Methods Currently Employed to Treat Intracranial Vertebral Artery Dissection. J Noshier, **S Roychowdhury**, G Gupta, D Eckstein, S Sozio, S Schonfeld, I Keller, A Depalma, Protocol # 20160001115
9. Endovascular Management of Maxillofacial Pseudoaneurysms. J Noshier, **S Roychowdhury**, G Gupta, S Pettyjohn Protocol#20160000210
10. Neurodevelopment of the High Risk Infant. T Hegyi, **S Roychowdhury**, B Zimmerman-Bier, A Pestani. Protocol# 20170000210
11. Edge Trial. G Gupta, **S Roychowdhury**, D Mehta, S Coyle. Protocol 20160001437
12. LVIS HUD. G Gupta, **S Roychowdhury**, S Coyle. Protocol 20160001463
13. Does lactate clearance to normal or 10% correlate with outcome in patients post cardiac arrest receiving therapeutic hypothermia? J Mccoy, **S Roychowdhury**, et al. Protocol 201300322
14. Primary solitary leptomeningeal glioma (PSLG) treated with Vemurafenib. L Rodriguez. **S Roychowdhury**, M Song. Protocol 2013003522
15. Is cerebellar dysfunction a biomarker for ASD? B Zimmerman-Bier B PI. **S Roychowdhury** Co-PI. Protocol 2017002175
16. LVIS HUD. G Gupta **S Roychowdhury** Protocol 20160001464
17. Outcomes of neurovascular diseases. G Gupta, **S Roychowdhury** Protocol 2019002879
18. Radial approach for stroke study (RASS). A Singla, **S Roychowdhury** Protocol 2020000618

19. Optimization of MRI procedures. Zaid, **S Roychowdhury** Protocol 2020001566
20. Safety and efficacy of Kyphoplasty using SpineJack. J Noshier **S Roychowdhury** Protocol 2021000108
21. Neurodevelopment of the high risk infant. T Hegyi **S Roychowdhury** Protocol 20170000210
22. Stenting with Ticagrelor. A Singla **S Roychowdhury** Protocol 2020000606

PUBLICATIONS:**A. Refereed Original Article in Journal**

1. Kim SE, Norfray J, Heiser WJ, Foran J, **Roychowdhury S**: Sonographically Guided Intravascular Biopsy of an Intraluminal Mass in the Inferior Vena Cava. *Journal of Ultrasound in Medicine* 13: 405-407, 1994
2. Prager, JM, **Roychowdhury S**, Gorey MT, Lowe G, Ankenbrandt W, Ragin A.: Bevel Versus Pencil-Point Needles for Myelography, In: Takahashi M, Korogi Y, Mosely I, eds. *Proceedings of the XV Symposium Neuroradiologicum*. Berlin: Springer Verlag, 1995: 348-349. (Supplement to *Neuroradiology* Volume 37, 1995)
3. Meyer JR, **Roychowdhury S**, Russell EJ, Callahan CM, Gitelman D, Mesulam MM: Location of the Central Sulcus via Cortical Thickness of the Precentral and Postcentral Gyri on MR. *American Journal of Neuroradiology* 17: 1699-1706, October 1996
4. Prager JM, **Roychowdhury S**, Gorey MT, Lowe G, Diamond CK: Post-Myelogram Spinal Headache and Needle Type. *American Journal of Roentgenology* 167: 1289-1292, 1996
5. **Roychowdhury S**, Fitzgerald SW, Sonin AH, Miller FH, Hoff FL: Using MRI to Diagnose Partial Tears of the Anterior Cruciate Ligament: Value of Axial Images, *American Journal of Roentgenology* 168: 1487-1491, June 1997
6. Meyer, JR, **Roychowdhury S**, Cybulski G, Russell EJ: Solitary Intramedullary Plasmacytoma of the Skull Base Mimicking Meningioma. *Skull Base Surgery* 7;2: 101-105, 1997
7. Rabin BM, **Roychowdhury S**, Meyer JR, Cohen BA, LaPat KD, Russell EJ: Spontaneous Intracranial Hypotension: Spinal Imaging Findings, *American Journal of Neuroradiology* 19: 1034-1039, June 1998
8. **Roychowdhury S**, Maldjian JA, Galetta SL, Grossman RI: Postanoxic Encephalopathy: Diffusion MR Findings, *Journal of Computer Assisted Tomography* 22 (6): 992-994, 1998
9. **Roychowdhury S**, Maldjian JA, Grossman RI: Multiple Sclerosis: Comparison of Trace Apparent Diffusion Coefficient With MR Enhancement Pattern of Lesions, *American Journal of Neuroradiology* 21: 869-874, May 2000
10. **Roychowdhury S**, Yousem DM, Loevner LA, Chalian A, Montone KT: MR Imaging for Predicting Neoplastic Invasion of the Cervical Esophagus, *American Journal of Neuroradiology* 21(9):1681-7, October 2000
11. Zimmerman J, **Roychowdhury S**, Demarco JK, Shepard S, Schonfeld S, Keller I, Schlesinger S: Endovascular Treatment of a Ruptured Giant Serpentine Aneurysm of the Superior Cerebellar Artery in a Patient With a Chiari II Malformation. *Am J Neuroradiol.*;25(6):1077-9 2004
12. Prasad R, Michaels L, **Roychowdhury S**, Craig V, Sorrell A, Schonfeld S,: Combined Venous Sinus Angioplasty and Low-Dose Thrombolytic Therapy for Treatment of Hemorrhagic Transverse Sinus Thrombosis in a Pediatric Patient, *Journal of Pediatric Hematology/Oncology* 28(3):196-199, March 2006
13. Jariwala S, Crowley GJ, **Roychowdhury S**: Trauma-Induced Extracranial Internal Carotid Artery Dissection Leading to Multiple Infarcts in a Young Girl. *Pediatric Emergency Care* 22(10):737-742, October 2006
14. Prager A, **Roychowdhury S**: Magnetic Resonance Imaging of the Neonatal Brain. *Indian J Pediatr* 74(2): 173-184, 2007 Review article

15. Rhodes RH, Lehman RM, Wu B, **Roychowdhury S**: Focal Chronic Inflammatory Epileptic Encephalopathy in a Patient with Malformations of Cortical Development, With a Review of the Spectrum of Chronic Inflammatory Epileptic Encephalopathy. *Epilepsia* 48(6): 1184-1202, June 2007
16. Yim PJ, Infantino D, **Roychowdhury S**, Noshier JL: Hemodynamic Conditions in the Stenotic Carotid Artery; Possible Assessment from Contrast-Enhanced Magnetic Resonance Angiography. *International Society of Magnetic Resonance in Medicine (ISMRM)* October 2007
17. McElroy K, Keller IA, **Roychowdhury S**: Traumatic Basilar Artery Pseudoaneurysm: A Visual Vignette. *American Journal of Physical Medicine & Rehabilitation*. August 2008 PMID18645327
18. Soman S, Rosenfeld DL, **Roychowdhury S**, Drachtman RA, Cohler A: Cord Compression Due to Extramedullary Hematopoiesis in a Adolescent with Known Beta Thalassemia Major. *Journal of Radiology Case Reports* 3(1):17-22, Jan 2009 PMID:22470615
19. Cole P, Beckwith K, Vijayanathan V, **Roychowdhury S**, Smith A, Kamen B: Folate Homeostasis in Cerebrospinal Fluid During Therapy for Acute Lymphoblastic Leukemia. *Pediatric Neurology* 1(1): 34-41, January 2009 PMID: 19068252
20. Lee J, **Roychowdhury S**, Nissenblatt N: Neuroembolization of Metastatic Merkel Cell Tumor to the Face for Treatment of Kasabach-Merritt Syndrome. *BMJ Case Reports*, February 2013 PMID:23329724
21. Lee J, **Roychowdhury S**, Stein M: Percutaneous Treatment of a Sacral Metastasis with Combined Embolization, Cryoablation, Alcohol Ablation and Sacroplasty for Local Tumor and Pain Control. *J Neuro-Interventional Surgery* 2013 June; 19(2):250-3
22. Lee J, Tseng IK, Siegel RL, **Roychowdhury S**: Repair of Carotid Pseudoaneurysm Using Direct Thrombin Injection with Distal Protection Device. *J Neuro-Interventional Surgery* 2013 June 19(2):235-9
23. Sundararajan SH, **Roychowdhury S**, Noshier J: Combined Interventional Therapy with Imaging-Guided Drainage, Embolization, and Sclerotherapy of a Recurrent Sacral Chordoma. *Interventional Oncology* 360 2013; 1(2): E26-E33
24. Glod J, Song M, Sharma A, Tuagi R, Rhodes R, Weissman D, **Roychowdhury S**, Khan A, Kane M, Hirshfeld K, Ganesan S, DiPaula R, Rodriguez-Rodriguez L: Next Generation Sequencing As an Aid to Diagnosis and Treatment of an Unusual Pediatric Brain Cancer. *J Pers. Med.* 2014, 4(3), 402-411 PMID:25563358
25. Sundararajan S, **Roychowdhury S**, Nassiri N, Savage B, Drachtman R. "Early diagnosis and management of extracranial carotid and vertebrobasilar vasculopathy in mitigating neurological complications of Sickle Cell Disease." *OMICS J Radiol* 2015, 4:4
26. Garg R, **Roychowdhury S**, Fitzpatrick M, Gupta G. Case: Cognard Type IV Dural Arteriovenous Fistula. *ACR Case in Point* February 2016
27. Sundararajan S, Murillo P, Khan A, Gendel V, Gribbin C, **Roychowdhury S**, Noshier N: Ultrasound-Guided Thrombin Injection for Treatment of Superficial Traumatic Pseudoaneurysms and Associated Expanding Hematomas: Experience in Five Patients. *Journal of Trauma Management & Outcomes* 2016 10:4 PMID: 26929774
28. Garg R, **Roychowdhury S**, Et al: Injection of n-Butyl Cyanoacrylate and Epidural Fibrin Sealant for the Treatment of Spontaneous Intracranial Hypotension Secondary to a Sacral Perineural Root Sleeve Cyst. *Neurographics* 2016
29. Eng O, Grant S, Weissler J, Simon M, **Roychowdhury S**, Davidov T, Trooskin S. Operative Bed Recurrence of Thyroid Cancer: Utility of a Preoperative Needle Localization Technique. *Gland Surgery* Dec 2014: 571-575 PMID: 28149802

30. Puvabanditsin S, Mehta R, Palomares K, Gengel N, Dasilva C, **Roychowdhury S**, Gupta G, Kashyap A, Sorrentino D. Vein of Galen Malformation in a Neonate: A Case Report and Review of Endovascular Management. *World J Clin Pediatr* February 2017 PMID: 28224101
31. Al-Mufti F, Amuluru K, Walia J, Dodson V, Wajswol E, Nuoman R, Gupta G, **Roychowdhury S**. Neuroendovascular Cerebral Sinus Stenting in Idiopathic Intracranial Hypertension. *Interventional Neuology* Vol 8, 164-171 2019. Doi 10.1159/000500051
32. Al-Mufti F, Dodson V, Wajswol E, El-Ghanem M, Alchaki A, Nuoman R, Thabey A, Sutherland A, **Roychowdhury S**, Hidalgo A, Gupta G. Chemical Angioplasty for Medically Refractory Reversible Cerebral Vasoconstrictive Syndrome. *British Journal of Neurosurgery* Vol 32:4, 2018 pp 431-435 PMID:30207193
33. Dow F, Shah K, Gupta G, Censullo M, **Roychowdhury S**. Interventional Removal of Traumatic Nail from Skull Base After Endovascular Coiling of Internal Carotid Artery and Jugular Vein. *World Neurosurgery* Vol 155, pp 130-142 July 2018 PMID: 29689400
34. Kamal N, Majmundar N, Damadora N, El-Ghanem M, Nuoman R, Keller IA, Schonfeld S, Rybinnik I, Gupta G, **Roychowdhury S**, Al-Mufti F. Mechanical thrombectomy - is time still brain? The DAWN of a new era. *Br J Neurosurg*. Feb 2018: 1-5 PMID:2941783
35. Gupta G, Roa L, Al-Mufti F, **Roychowdhury S**. Neonatal meningitis. *Medscape* 2018
36. Orzano D, Hollender K, Lane J, Jablonski A, Al-Mufti F, **Roychowdhury S**, Rybinnik I, Mehta D. Abstract TP8: Process Modification to Reduce Door to Puncture Time for Patients with Large Vessel Ischemic Stroke. *Stroke* Vol 49, No Suppl 1 2018
37. Gupta G, Carminucci A, **Roychowdhury S**. Dissection Syndromes. *Medscape* November 2018
38. Al-Mufti F, Kamal N, Damodara N, Nuoman R, Gupta R, Alotaibi N, El-Ghanem M, Keller I, Schonfeld S, Gupta G, **Roychowdhury S**. Updates in the Management of Cerebral Infarctions and Subarachnoid Hemorrhage Secondary to Intracranial Arterial Dissection: A Systematic Review. *World Neurosurgery* Vol 121 pp 51-58 2019 Jan 2019
39. Paulo D, Semoche A, Choudhry O, Al-Mufti F, Prestigiacomo C, **Roychowdhury S**, Nanda A, Gupta G. History of Hemostasis in Neurosurgery. *World Neurosurgery* Vol 124 pp 237-250 2019 PMID: 30579020
40. Rallo M, Nosko M, Agag R, Xiong Z, Al-Mufti F, **Roychowdhury S**, Nanda A, Gupta G. Neurosurgical and Scalp Reconstructive Challenges During Craniotomy in the Setting of Cutis Verticis Gyrata. *World Neurosurgery* Vol 125 pp 392-397 2019 PMID: 30763753
41. Parr M, Carminucci A, Al-Mufti F, **Roychowdhury S**, Gupta G. Isolated Abducens Nerve Palsy Associated with Ruptured Posterior Inferior Cerebellar Artery Aneurysm: Rare Neurologic Finding. *World Neurosurgery* Vol 121 PP 97-99 2019 PMID 30266698
42. Sundararajan S, Calamita S, Girgis P, Ngo G, Ranganathan S, Giglio M, Gendel V, Goyal S, Noshier J, **Roychowdhury S**. Sequential Interventional Management of Osseous Neoplasms via Embolization, Cryoablation and Osteoplasty. *Journal of Oncology* Vol 2019 ID 5247837 PMID: 31110519
43. Sozio S, Ngo G, Girgis P, Gupta G, **Roychowdhury S**. Novel Approach to Intraoral Haemorrhage After Mandibular Arteriovenous Malformation Embolization: Transoral Onyx Embolization of the Posterior Alveolar Vein. *Oral Surgery* June 2019 PMID
44. Al-Mufti F, Kamal N, Damodara N, Nuoman R, Gupta R, Alotaibi N, Alkanaq, A, El-Ghanem M, Keller I, Schonfeld S, Gupta G, **Roychowdhury S**. Updates in the Management of Cerebral Infarctions and Subarachnoid Hemorrhage Secondary to Intracranial Arterial Dissection: A Systematic Review. *World Neurosurgery* Vol 121, January 2019, Pp 51-58 PMID 30268550
45. Taylor BES, Narayan V, Jumah F, Al-Mufti F, Nosko M, **Roychowdhury S**, Nanda A, Gupta G.

- Ethical and medicolegal aspects in the management of neurosurgical emergencies among Jehovah's Witnesses: Clinical implications and review. *Clin Neurol Neurosurg*. 2020 Mar 19;194:105798. doi: 10.1016/j.clineuro.2020.105798. Epub ahead of print. PMID: 32222653.
46. Bernardo K, **Roychowdhury S**, Bhise V. Tentorium and Straight Sinus Hypoplasia in Child: a Case Report. *SN Compr. Clin. Med.* June 2020
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B. Books, Monographs and Chapters

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5. Gaurav Gupta, MD, Todd Rosen, MD, , Fawaz Al-Mufti, MD, and Anil Nanda, MD, MPH, **Sudipta Roychowdhury, MD**. *Neurological Disorders in Pregnancy – A Comprehensive Clinical Guide*. Springer Publications, NY 2023.
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C. Patents Held – N/A

D. Other Articles in Journals; Chapters; Books; other Professional Communications

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<https://www.usatoday.com/story/life/2015/12/07/flemington-woman-survives-multiple-brain-aneurysms/76368480/>
10. Patient thrives after two aneurysms. **Sudipta Roychowdhury MD** and Gaurav Gupta MD. *My Central Jersey* 2018. <https://www.mycentraljersey.com/story/life/2018/11/26/patient-thrives-after-two-aneurysms/1946578002/>
11. A Revolutionary Treatment – WEB Device for brain aneurysm. **Sudipta Roychowdhury MD** and Gaurav Gupta MD. Fall 2019 *Healthy Together*
12. Passage Bio Announces First Patient Dosed in Imagine-1 Study of PBGM01 Gene Therapy for Infantile GM1 Gangliosidosis. *Biospace* April 2021. **Sudipta Roychowdhury** performed the first

intracisterna magna (ICM) injection of the trial pharmaceutical.

E. Abstracts – Peer Reviewed

1. Prager JM, **Roychowdhury S**, Gorey MT, Lowe G, Ankenbrandt W, Ragin A: Bevel Versus Pencil-Point Needles for Myelography, XV Symposium Neuroradiologicum, Kumamoto, Japan, September 1994
2. Fitzgerald SW, Peduto A, Sonin AH, **Roychowdhury S**, Stern S, Hoff FL, Bowen M: MR Diagnosis of Meniscal Tears Associated with Anterior Cruciate Ligament Injury, ARRS, Washington, DC, May 1995
3. Prager JM, **Roychowdhury S**, Gorey MT, Lowe G, Diamond CK: Post-Myelogram Spinal Headache and Needle Type, ARRS, Washington, DC, May 1995
4. Meyer JR, **Roychowdhury S**, Guttierrez F, Russell EJ: Invasive Pituitary Adenoma with Perineural Extension Along V3, American Society of Head and Neck Radiology, Pittsburgh, PA, May 1995
5. Meyer JR, **Roychowdhury S**, Callahan CM, Gitelman D, Mesulam MM, Russell EJ: Localization of the Central Sulcus on Turbo-IR MRI of the Brain, RSNA, Chicago, IL, November 1995
6. Fitzgerald SW, Peduto AJ, Sonin AH, **Roychowdhury S**, Hoff FL: Fast Spin Echo Imaging of the Meniscus: Comparison with Conventional Spin Echo and Arthroscopy, International Symposium on Musculoskeletal MR Imaging, San Francisco, CA, January 1996
7. Sonin A, Roychowdhury S, Fitzgerald S. Accuracy and efficiency of a turbo double-echo sequence in the MR imaging assessment of the patellar cartilage. RSNA 1996
8. Prager JM, **Roychowdhury S**, Gorey MT, Liu C-Y: Imaging Features of Mixed Oligo-Astrocytomas, ARRS, San Diego, CA, May 1996
9. Fitzgerald SW, **Roychowdhury S**, Peduto AJ, Sonin AH, Hoff FL: Axial Images in the MR Diagnosis of Partial Tears of the ACL, ARRS, San Diego, CA, May 1996
10. **Roychowdhury S**, Fitzgerald SW, Sonin AH, Miller FH, Hoff FL: Normal and Abnormal Anatomy of the ACL on Axial MR Imaging of the Knee, RSNA, Chicago, IL, December 1996
11. Sonin AH, **Roychowdhury S**, Fitzgerald SW: Accuracy and Efficiency of a Turbo Double-Echo Sequence in the MRI Assessment of the Patellar Cartilage, RSNA, Chicago, IL, December 1996
12. Fitzgerald SW, Peduto AJ, Sonin AH, **Roychowdhury S**, Miller FH, Hoff FL: Fast SE Imaging of the Meniscus: Comparison with Conventional SE Imaging and Arthroscopy, RSNA, Chicago, IL, December 1996
13. Fitzgerald SW, **Roychowdhury S**, Fonner BT, Sonin AH, Miller FH, Hoff FL: Primary Evaluation of the ACL on Axial MR images of the Knee: Forget About Secondary Signs, RSNA, Chicago, IL, December 1997
14. **Roychowdhury S**, Yousem DM, Loevner LA, Montone K: MR Imaging for Predicting Neoplastic Invasion of the Cervical Esophagus, ASNR, Philadelphia, PA, June 1998, **Best Paper Award for Head and Neck Radiology**
15. **Roychowdhury S**, Maldjian JA, McGowan J, Grossman RI: Reproducibility of Diffusion Trace Measurements, RSNA, Chicago, IL, December 1998
16. Demarco JK, Schonfeld S, Keller I, **Roychowdhury S**, Fitzpatrick M: Current State of the Art in Carotid MRA, Symposium at London Health Science Center, London, Ontario, Canada, May 2000

17. Demarco JK, Schonfeld S, Keller I, **Roychowdhury S**, Fitzpatrick M: Larger FOV Aortic Arch & Carotid Elliptical Contrast-Enhanced MRA, International Workshop on MRA, October 2000, London, England
18. Demarco JK, Schonfeld S, Keller I, **Roychowdhury S**, Fitzpatrick M: Preliminary Experience With In Vivo 500-600 Micron Elliptical Contrast-Enhanced Carotid MR Angiography and Carotid Plaque Imaging, International Workshop on MRA, October 2001 Cleveland OH
19. Zicherman J, **Roychowdhury S**, Demarco JK, Shepard S, Schonfeld S, Keller I, Schlesinger S: Endovascular Treatment of a Ruptured Giant Serpentine Aneurysm of the Superior Cerebellar Artery in a Patient With a Chiari II Malformation, ASNR, Vancouver, May 2002
20. **Roychowdhury S**, Schonfeld S, Keller I, Nosko M, Demarco JK, Shepard S, Schlesinger S: Micrus ACT Spherical Coils For Three-Dimensional Framing of Intracranial Aneurysms: Preliminary Results, AANS/CNS/ASITN Joint Meeting, Phoenix, AZ February 2003.
21. **Roychowdhury S**: Vascular Noninterventional. Case-Based Review of Neuroradiology, RSNA, Chicago, IL 2006
22. Yim PJ, Infantino D, **Roychowdhury S**, Noshier J: Hemodynamic Conditions in the Stenotic Carotid Artery: Possible Assessment from Contrast-Enhanced Magnetic Resonance Angiography, RSNA, Chicago, IL 2006
23. Bindal V, **Roychowdhury S**, Keller I, Schonfeld SM: Microsphere Spherical Coil Assisted Placement of the Neuroform Stent for Treatment of Wide-Necked Intracranial Aneurysms, ASNR Chicago, IL 2007
24. **Roychowdhury S**: Vascular Noninterventional. Case-Based Review of Neuroradiology, RSNA, Chicago, IL 2007
25. Shaikh H, **Roychowdhury S**, Schonfeld S, Amorosa J. Interactive learning modules for residents and medical students about the diagnosis and management of intracranial aneurysms. RSNA 2010
26. Sunderajan S, Garg R, Gupta G, Schonfeld S, **Roychowdhury S**. Balloon-Assisted Glue Embolization: An Adjunct Technique for Management of Intraprocedural Aneurysm Rupture. American Society of Neuroradiology (ASNR) 2016
27. Orzano D, Hollender K, Lane J, Jablonksi A, Al-Mufti F, **Roychowdhury S**, Rybinnik I, Mehta D. Process Modification to Reduce Door to Puncture Time for Patients with Large Vessel Ischemic Stroke. International Stroke Conference Los Angeles 2018
28. Khandelwal Priyank, Mufti Fawaz, Al Tiwari Ambooj, Singla Amit, Dmytriw Adam, Piano Mariangela, Quilici Luca, Pero Guglielmo, Renieri Leonardo, Limbucci Nicola, Martínez-Galdámez Mario, Schüller Miguel, Galván Jorge, Arenillas-Lara Juan Francisco, Hashim Zafar Nayak Sanjeev, Desousa Keith, Sun Hai, Agarwalla Pankaj, Nanda Anil, Lonzano Juan Diogo, **Roychowdhury Sudipta**, Nourollahzadeh Emad, Gandhi Chirag D, Xavier Andrew R, Prakash Tannavi, Gupta, Gaurav and Yavagal, Dileep: Incidence, Characteristics and Outcomes of Large Vessel Stroke in COVID-19 Cohort: A Multicentric International Study. *Stroke* 2021;52: AP 1041.
29. Sreenivasan S, Gupta G, **Roychowdhury S**. Radially adjustable stent-retriever with improved first-pass success and time to reperfusion. College of Neurological Surgeons 2023

30. Sreenivasan S, **Roychowdhury S**, Gupta G. Relationship of aneurysm neck size and Raymond-Roy occlusion class in posterior circulation aneurysms treated with Pipeline Embolization device. College of Neurological Surgeons 2023
31. Sreenivasan S, **Roychowdhury S**, Gupta G. Pipeline Embolization of Intracranial Aneurysms: Long-term Safety and Efficacy Outcomes from a Single Comprehensive Stroke center. College of Neurological Surgeons 2023
32. Sreenivasan S, **Roychowdhury S**, Gupta G. Hypoglossal canal dural arteriovenous fistula masquerading as bilateral carotid cavernous fistula. College of Neurological Surgeons 2023
33. Sreenivasan S, Gupta G, **Roychowdhury S**. Flow Diversion vs Conventional Endovascular Approaches for Treatment of Carotid-Cavernous Fistulas: A Single Center Experience. College of Neurological Surgeons 2023
34. Sreenivasan S, **Roychowdhury S**, Gupta G. Mental health status among corporate- and public sector health care workers in frontline hospitals in India during the COVID-19 pandemic (second wave): Impact of awareness, work satisfaction, risky work-environment practices and social media usage on DASS-21 and IES-R scores. College of Neurological Surgeons 2023
35. Muhammad Omar Afridi, Arevik Abramyan, Stephen Sozio, Alexa Piscioti, Victoria Kim, Emad Nourollah-Zadeh, Hai Sun, Guarav Gupta, **Sudipta Roychowdhury**, Srihari Sundararajan From Aneurysms to Dissections: Extending the Use of Flow Diverting Stents in the Management of Ruptured Intracranial Dissections. CNS/AANS joint meeting 2024
36. Arevik Abramyan, Georgios Sioutas, Natalia Tarasova, Mena Samaan, **Sudipta Roychowdhury**, Guarav Gupta. Predicting In-Stent Stenosis: Key Risk Factors in Flow Diverter Treatment of Intracranial Aneurysms from a Meta-Analysis of 1811 Patients. CNS/AANS joint meeting 2024
37. Arevik Abramyan, Guarav Gupta, Mena Samaan, Kaustav Chattopadhyay, Siddhant Kumarapuram, Srihari Sundararajan, Hai Sun, Emad Nourollah-Zadeh, **Sudipta Roychowdhury** Redefining Acute Care: Evaluating Flow Diverters in the Management of Acutely Ruptured Intracranial Aneurysms. CNS/AANS joint meeting 2024
38. Arevik Abramyan, Mena Samaan, Srihari Sundararajan, Guarav Gupta, **Sudipta Roychowdhury**, Dmitriy Okishev Preoperative Planning Using Three-Dimensional Multimodality Imaging and Segmentation for Arteriovenous Malformation Surgery. CNS/AANS joint meeting 2024
39. Arevik Abramyan, Guarav Gupta, Sanjeev Sreenivasan, Jonathan Lowenthal, Mena Samaan, Srihari Sundararajan, **Sudipta Roychowdhury**. Minimally Invasive Success: The Use of Surpass Evolve Flow Diverters in Carotid Cavernous Fistulas. CNS/AANS joint meeting 2024 Arevik Abramyan, Mena Samaan, Guarav Gupta, **Sudipta Roychowdhury**, Olga Belousova Neurosurgical Contributions of the Burdenko Neurosurgical Center's Cerebrovascular Department . CNS/AANS joint meeting 2024
40. Arevik Abramyan, Mena Samaan, Stephen Sozio, Srihari Sundararajan, Guarav Gupta, **Sudipta Roychowdhury**. Endovascular Management of Carotid Blowout Syndrome: A Retrospective Case Series . CNS/AANS joint meeting 2024

41. Mena Samaan, Arevik Abramyan, Gaurav Gupta, **Sudipta Roychowdhury**. From Scalpels to Screens: Tracing the Arc of Cranial Neurosurgery from Ancient Trepanation to Modern Minimally Invasive Techniques. CNS/AANS joint meeting 2024
42. Mena Samaan, Arevik Abramyan, Alejandro Pando, Gaurav Gupta, **Sudipta Roychowdhury**. Navigating the Mind: The Evolution and Impact of Neuronavigation in Neurosurgery. CNS/AANS joint meeting 2024
43. Mena Samaan, Arevik Abramyan, Gaurav Gupta, **Sudipta Roychowdhury**. Takayasu Disease and Neurointerventional Surgery: Emerging Insights and Management Paradigms. CNS/AANS joint meeting 2024
44. Mena Samaan, Arevik Abramyan, **Sudipta Roychowdhury**, Gaurav Gupta. Bridging the Gap: Enhancing Neurosurgical Treatment Compliance through Socioeconomic and Educational Interventions. CNS/AANS joint meeting 2024
45. Mena Samaan, Arevik Abramyan, Gaurav Gupta, **Sudipta Roychowdhury**. Exploring Socioeconomic Influences on Shared Decision-Making in Neurosurgical Care: A Systematic Review . CNS/AANS joint meeting 2024
46. Kim V., Berezovsky D., Barole A., Wei H., Kempf J., Barot A., Rashid S., Baral S., Livshits I., Censullo M., Moubarak I., Saifuddin A., Brent H., Li A., Kornblum J., Colizza W., Kubiak A., Roychowdhury S., Kang, F. Single Center Experience Utilizing Obsidio Conformable Embolic (OCE) for Embolization. Society of Interventional Radiology 50th Annual Scientific Meeting. Nashville, TN, March 29-April 2, 2025.
- 47.

PRESENTATIONS:

A. Scientific (*Basic Science*):

1. Prager JM, Lewin D, Gorey MT, Mojtahedi S, Rosenblum J, **Roychowdhury S**: Perimesencephalic Subarachnoid Hemorrhage: CT Patterns Predictive of Negative Cerebral Angiography, RSNA, Chicago, IL, December 1994
2. Meyer JR, **Roychowdhury S**, Callahan CM, Gitelman D, Mesulam MM, Russell EJ: Localization of the Central Sulcus by Relative Cortical Thickness of the Pre and Post Central Gyri on Turbo IR MR Imaging of the Brain, ISMRM, Nice, France, 1995, Society of Neuroscience Annual Meeting, San Diego, CA, 1995
3. **Roychowdhury S**, Rabin BM, Meyer JR, LaPat KD, Russell EJ: Spontaneous Intracranial Hypotension: Spinal Imaging Findings, ASNR, Seattle, WA, June 1996
4. Kwon, J, Prasad R, **Roychowdhury S**, et al: A Novel Technique for Treatment of Basilar Artery Thrombosis and Venous Sinus Thrombosis Using Combined Angioplasty and Thrombolytic Therapy with a Coronary Maverick Angioplasty Balloon, RSNA Education Exhibit, 2003

5. Lee J, Keller I, Danish S, Tyagi R, **Roychowdhury S**, Basak S: Short Term MRI Characteristics and Response to MR Image Guided Laser Ablation Therapy, ASNR June 2011
6. Sundararajan SH, Uppuluri P, **Roychowdhury S**: Clival Encephalocele – A Rare Developmental Anomaly, RSNA Exhibit 2013, Chicago IL
7. Sundararajan SH, **Roychowdhury S**: Differential Considerations for Vascular Preauricular Lesion in a Young Wrestler, ASNR Exhibit May 2014, Montreal Canada
8. Zhou L, **Roychowdhury S**: A Novel Approach: CT-Guided Epidural Blood Patch Treatment in the Absence of a Myelographic-Evident Cerebrospinal Fluid Leak, ASNR Exhibit May 2014, Montreal Canada
9. Sundararajan S, Gendel V, Goyal S, Giglio M, Gupta G, Nosher J, **Roychowdhury S**. “Sequential Interventional Treatment of Pelvic/Sacral Tumors via Angiographic Embolization, Cryoablation, and Stabilization Plasty Combinational Therapy.” Oral presentation at RSNA December 2014.
10. Garg R, Sundararajan S, Danish S, **Roychowdhury S**. Injection of n-Butyl Cyanoacrylate and Epidural Fibrin Sealant for the Treatment of Spontaneous Intracranial Hypotension Secondary to a Sacral Perineural Root Sleeve Cyst. ASNR, Chicago April 2015
11. Sundararajan S, Garg R, Kaufman H, Gendel V, **Roychowdhury S**. Clinical Utility of Neurophysiological Monitoring in CT-Guided Interventions. ASNR, Chicago April 2015
12. Barot A, Shah K, Sundararajan S, Dow R, Censullo M, Gupta G, **Roychowdhury S**. Removal of a Traumatic Skull Base Nail After Internal Jugular and Internal Carotid Artery Embolization. ASNR, Washington DC April 2016
13. S. Sundararajan MD, R. Garg MD, G. Gupta MD, S. Schonfeld MD and **S. Roychowdhury MD** Balloon-Assisted Glue Embolization: An Adjunct Technique for Management of Intraprocedural Aneurysm Rupture. American Society of Neuroradiology (ASNR) 54th Annual meeting and symposium. Washington DC April 8th, 2016
14. Orzano D, Hollender K, Lane J, Jablonski A, Al-Mufti F, **Roychowdhury S**, Rybinnik I, Mehta D. Process Modification to Reduce Door to Puncture Time for Patients with Large Vessel Ischemic Stroke. International Stroke Conference Los Angeles 2018
15. King Francis, Shah K, Park H, Gendel V, **Roychowdhury S**, Gribbin G. Balloon-Assisted Onyx Embolization of High Flow Arteriovenous Malformations with Dual Lumen Coaxial Balloon Microcatheter: Technical Aspects and Clinical Results. SIR Los Angeles 2018
16. **Roychowdhury S**, Kane I, Saifuddin A, Priyank Khandelwal, Gaurav Gupta- Surpass embolization of intracranial aneurysms at two high volume comprehensive stroke centers: unexpectedly high rate of neurologic complications *SNIS* 2020;**12**:A11.
17. Shaikh, H, **Roychowdhury S**, Schonfeld S, Amorosa J. Interactive learning modules for residents and medical students about the diagnosis and management of intracranial aneurysms. RSNA 2010
18. Kim, V, Abramyan A, Berezovsky D, Afridi M, Sozio S, Gupta G, **Roychowdhury S**, Sundararajan S. Utilizing the Comaneci Device and Rapid Inflation Deflation (RID) Technique for Dural Venous Sinus Thrombectomy. The International Symposium on Endovascular Therapy, January 2024
19. **Roychowdhury S**. Identifying the Sylvian Triangle on CTA: A technique for identifying distal MCA occlusions. Rutgers RWJMS Neurosurgery Research Symposium March 2024

20. **Roychowdhury S.** Tigertriever Mechanical Thrombectomy in AIS: Comparison between Rapid-Inflation Deflation Technique (Massage) and Standard Stentriever Thrombectomy (ST) for First Pass Success. Rapid Medical symposium, May 2025

B. Professional (Clinical):

1. **Roychowdhury S:** Magnetic Resonance Spectroscopy, UMDNJ_Robert Wood Johnson Medical School Neurology Grand Rounds, New Brunswick NJ 2001
2. **Roychowdhury S:** Cutting Edge Cases in Diagnostic and Interventional Neuroradiology, AAPI Conference, Middlesex County, NJ, 2003
3. **Roychowdhury S:** Subtlety and Fine Points of Spine Imaging, Combined Orthopedics and Neurosurgery Spine Conference, RWJ Medical School New Brunswick, NJ 2005
4. **Roychowdhury S:** Interventional Neuroradiology, Neurology Grand Rounds, RWJ Medical School New Brunswick, NJ June 2005
5. **Roychowdhury S:** Adult and Pediatric Interventional Neuroradiology, Contemporary Issues in Neurology, Jersey Shore University Medical Center, September 2005
6. **Roychowdhury S:** Neurological Endovascular Case Presentation, New Jersey Neurosurgical Society, New Brunswick, NJ October 2005
7. **Roychowdhury S:** Carotid MR Angiography and CT Angiography, Vascular Surgery Conference, RWJ Medical School New Brunswick, NJ 2005
8. **Roychowdhury S:** Spine Imaging: Marrow, Epidural Masses and Nerve Roots, Combined Orthopedics and Neurosurgery Spine Conference, RWJ Medical School New Brunswick, NJ 2006
9. **Roychowdhury S:** Neuro-Oncologic MRI Case Presentation, Radiation Oncology Conference RWJ Medical School New Brunswick, NJ 2007
10. **Roychowdhury S:** Interventional Neuroradiology Case Presentation, Raritan Bay Medical Center Medical Grand Rounds, Perth Amboy NJ, January 2009
11. **Roychowdhury S:** Neuro-Interventional Treatment of Stroke; Time Is Brain, Robert Wood Johnson University Hospital, RWJ Medical School New Brunswick, NJ October 2009
12. **Roychowdhury S:** Endovascular Treatment of Acute Ischemic Stroke. UMDNJ-RWJ Medical School Neurology Grand Rounds, RWJ Medical School New Brunswick, NJ, NJ May 2010
13. **Roychowdhury S:** Endovascular Treatment of Stroke; Time Is Brain, Robert Wood Johnson University Hospital, RWJ Medical School New Brunswick, NJ September 2010
14. **Roychowdhury S:** Interventional Neuroradiology: Stroke Treatment; The First Neurology Update Symposium, RWJ Medical School New Brunswick, NJ December 2010
15. **Roychowdhury S:** Endovascular Treatment of Intracranial Aneurysms; Advances in Stroke Care 2011, RWJ Medical School New Brunswick, NJ September 2011
16. **Roychowdhury S:** Traumatic MCA Aneurysm; Respiratory Care: Emerging Technologies and Concepts 2011, RWJ Medical School New Brunswick, NJ September 2011
17. **Roychowdhury S:** Diffusion Tensor Imaging, UMDNJ Robert Wood Johnson Medical School Neurology Grand Rounds, New Brunswick NJ 2012

18. **Roychowdhury S:** Current Endovascular Treatment of Stroke, Advances in Stroke, RWJ Medical School New Brunswick, NJ September 2012
19. **Roychowdhury S:** Treatment of Stroke, Robert Wood Johnson University Hospital Hamilton Grand Rounds, Hamilton NJ September 2013
20. **Roychowdhury S:** Endovascular Treatment of Stroke 2013, Advances in Stroke Care, RWJ Medical School New Brunswick, NJ October 2013
21. **Roychowdhury S:** Endovascular Treatment of Brain Aneurysms, AAPI conference, North Brunswick NJ, October 2013
22. **Roychowdhury S:** CT Perfusion Techniques and Applications. Virtual lecture given to University Radiology Group and University Radiology Group Teleradiology, October 2013
23. **Roychowdhury S:** Interventional Treatment of Stroke, RWJUH Clinical Neuroscience Symposium, November 2014
24. **Roychowdhury S:** Neuroanatomy and Stroke, RWJUH Stroke Nursing Symposium, May 2015
25. **Roychowdhury S:** Endovascular Treatment of Stroke: History and 2015 Current Concepts. Meridian Health Stroke Symposium, May 2015
26. **Roychowdhury S:** Stroke. Expert Approaches to Cardiac Emergencies, Rutgers Robert Wood Johnson Medical School. October 2015
27. **Roychowdhury S:** Interventional Treatment of Stroke - 2015, RWJUH Advances in Stroke Care 2015 Conference. October 2015
28. **Roychowdhury S:** Interventional Treatment of Stroke – 2016 Update, RWJUH Nursing Stroke Symposium. May 2016
29. **Roychowdhury S:** Interventional Treatment of Brain Aneurysms: Family Medicine Considerations, Rutgers- Robert Wood Johnson Medical School Family Medicine Grand Grounds. May 2016
30. **Roychowdhury S:** Management of Unruptured Brain Aneurysms, Rutgers- Robert Wood Johnson Medical School Internal Medicine Grand Grounds. October 2016
31. **Roychowdhury S:** Patient Selection in Interventional Stroke Treatment, RWJUH Advances in Stroke Care 2016 Conference. October 2016
32. **Roychowdhury S:** Interventional Stroke Treatment – 2016 Update and Trials, RWJUH Somerset Stroke Conference. November 2016
33. **Roychowdhury S:** Anesthesiology Considerations in Interventional Neuroradiology. Rutgers- Robert Wood Johnson Medical School Anesthesiology Grand Grounds. February 2017
34. **Roychowdhury S:** Management of Unruptured Brain Aneurysms. Rutgers- Robert Wood Johnson Medical School Neurology Grand Grounds. February 2017
35. **Roychowdhury S:** Pediatric Interventional Neuroradiology: Case Presentation. Rutgers- Robert Wood Johnson Medical School Pediatric Grand Grounds. February 2017
36. **Roychowdhury S:** Endovascular Treatment of Brain Aneurysms: Evolution of Treatment and Tips for Challenging Cases. Rutgers-Robert Wood Johnson Medical School Clinical Neuroscience Symposium September 2018
37. **Roychowdhury S:** Carotid Intervention Panel. Rutgers-Robert Wood Johnson Medical School 15th Annual Innovations and Trends in Cardiovascular Care Symposium October 2018

38. **Roychowdhury S:** Stroke and Brain Aneurysm Awareness. Cranbury Township Health Seminar December 2018
39. **Roychowdhury S:** RAPID CT Perfusion and Extended Stroke Intervention. Virtual lecture University Radiology Group and University Radiology Group Teleradiology, January 2019
40. **Roychowdhury S:** Interventional Stroke and Brain Aneurysm Treatment. Cranbury Lions Club, April 2019
41. **Roychowdhury S:** Interventional Options for Acute Ischemic Strokes: It's Not Just Thrombectomy. Stroke and Neuro-Critical Care Symposium, Rutgers RWJBarnabus Health October 2019
42. **Roychowdhury S:** Interventional Anesthesiology Considerations: 2020 Update in COVID-19 Era, Rutgers-RWJ Medical School Anesthesiology Grand Rounds April 2020
43. **Roychowdhury S:** Medical Malpractice for Neurosurgery, Rutgers-RWJ Medical School Neurosurgery April 2020
44. **Roychowdhury S:** Medical Malpractice for Radiology, Rutgers-RWJ Medical School Radiology and University Radiology Group April 2020
45. **Roychowdhury S:** Rutgers Global Neurosurgery: Ask Not for Whom the Bell Tolls. Vascular Neurosurgery Moderator. September 2020
46. **Roychowdhury S:** Medical Malpractice Issues In Endovascular Stroke Treatment. Stroke and Neuro-Critical Care Symposium, Rutgers RWJBarnabus Health November 2020
47. **Roychowdhury S:** Advanced Endovascular Stroke Techniques. NJ Department of Health Stroke Symposium November 2020
48. **Roychowdhury S:** Medicolegal Issues in Neurointervention. SNIS Society of Neurointerventional Surgery Webinar May 2021
49. **Roychowdhury S:** Course Instructor for Stryker SpineJack Kyphoplasty and Balloon Kyphoplasty course and training session. May 2021
50. **Roychowdhury S.** Rutgers 2021 Global Neurosurgery Lyceum Series: Stroke and Neurovascular Symposium. Moderator for Stroke and Steno-occlusive Disease. May 20, 2021
51. **Roychowdhury S.** Medical Malpractice Overview: Neuroimaging of Newborns and Consequential Lawsuits. Rutgers-Robert Wood Johnson Department of Obstetrics and Gynecology Grand Rounds June 2021
52. **Roychowdhury S.** Medical Malpractice for Neurosurgery. Westchester Medical Center Neurosurgery Grand Rounds. September 2021
53. **Roychowdhury S:** Got Aneurysm? Neuroimaging Artifacts and Pitfalls in Cerebral Aneurysm Diagnosis. Stroke and Neuro-Critical Care Symposium, Rutgers s Health October 2021
54. **Roychowdhury S:** Malpractice Issues in Radiology. Radiological Society of New Jersey 2021 Symposium November 2021
55. Rybinnik I, Mirasol R, Cheng R, **Roychowdhury S.** Interpreting CT Perfusion for the Treatment of Acute Ischemic Stroke. March 2022
56. **Roychowdhury S:** Malpractice Issues in Radiology, Military Radiology Residency Grand Rounds April 2022

57. **Roychowdhury S.** Medicolegal Issues in Emergency Medicine. Rutgers-Robert Wood Johnson Department of Emergency Medicine Grand Rounds September 2022
58. **Roychowdhury S.** Medical Malpractice Overview: Neuroimaging of Newborns and Consequential Lawsuits. Rutgers-NJMS Pediatrics Grand Rounds September 2022
59. **Roychowdhury S.** Medical Malpractice Overview: Neuroimaging of Newborns and Consequential Lawsuits. St. Peters University Hospital Department of Obstetrics and Gynecology Grand Rounds September 2022
60. **Roychowdhury S:** Guess what bled? Stroke and Neuro-Critical Care Symposium, Rutgers Health October 2022
61. **Roychowdhury S:** Neuro-Interventional Workshop. Stroke and Neuro-Critical Care Symposium, Rutgers Health October 2022
62. **Roychowdhury S:** Conquering the Wide-Neck Brain Aneurysms with Newer Devices. Stroke and Neuro-Critical Care Symposium, Rutgers s Health September 2023
63. **Roychowdhury S:** Identifying the Sylvian Triangle on CTA: A Technique for Identifying Distal MCA Occlusions. Rutgers Neurosurgery Research Symposium. March 2024
64. **Roychowdhury S:** Malpractice Issues in Radiology, Cooper University Hospital Radiology Grand Rounds April 2024
65. **Roychowdhury S:** Extending the Window for Endovascular Stroke: Time, Distance, Core and Age. NJ Department of Health Stroke Symposium May 2024
66. **Roychowdhury S:** Extending the Window for Endovascular Stroke: Time, Distance, Core and Age. Stroke and Neuro-Critical Care Symposium, Rutgers Health September 2024
67. **Roychowdhury S:** Updates in the Diagnostic and Management Strategies for Pediatric Stroke. Innovative Updates for Managing Challenging Pediatric Diseases and Conditions: Dinner Symposium with Experts. Rutgers Health November 2024