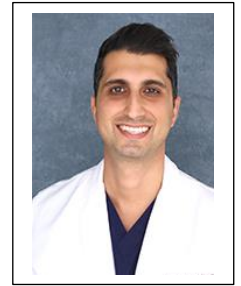


CURRICULUM VITAE

(10/21/2025)

ROBIN BABADJOUNI, MD



CURRENT POSITION:

07/2018 – Present; Fellow, Complex Spinal Surgery, Neurological Surgery, Brown University

PROFESSIONAL CONTACT INFORMATION

Robin Babadjouni
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Cedars-Sinai Medical Center
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EDUCATION:

08/2008 – 05/2011	Bachelor of Arts, Biological Sciences, Dornsife College of Letters, Arts and Science; Minor, Business Administration, Marshall School of Business, University of Southern California, Los Angeles, CA
08/2012 – 05/2013	Master of Science, Biomedical Sciences, Rosalind Franklin University of Medicine and Science, Chicago, IL
08/2013 – 05/2018	Doctor of Medicine, Keck School of Medicine, University of Southern California, Los Angeles, CA
07/2018 – 06/2025	Neurological Surgery Residency Training Program, Cedars-Sinai Medical Center, Los Angeles, CA

FELLOWSHIP TRAINING

07/2023 – 06/2024	Peripheral Nerve and Microsurgery, Cedars-Sinai Medical Center, Los Angeles, CA
07/2025 – 06/2026	Complex Spinal Surgery, Brown University, Providence, CA

LICENSURE:

9/17/2019 Medical Board of California, License Number A165517

BOARD CERTIFICATION

March 2022 The American Board of Neurological Surgery, Primary Examination, Status: Passed

PROFESSIONAL ACTIVITIES:

2013 – 2020 Doctors at Reach, Non-profit Organization, Board Member

August 2011– May 2012 Chaminade College Preparatory High School, Chatsworth, CA

GRANTS / AWARDS:

2015 The Presidents Volunteer Service Award; Rewarded by President Barack Obama (Doctors at Reach)

2016 – 2017 Deans Research Scholars Fellowship, USC Keck School of Medicine

2016 – 2017 Alpha Omega Alpha - Carolyn L. Kuckein Student Research Fellowship Grant

2016 – 2017 Keck School of Medicine Deans Research Scholar Award

2016 – 2017 Wright Foundation Scholar Award

GLOBAL OUTREACH

Jan 2024: Led spine surgical mission in Uganda in collaboration with Health Volunteers Overseas and spine surgeon Dr. Tiffany Perry. Conducted 15 spine surgeries, provided training to local orthopedic residents, and contributed to sustainable healthcare development in an underserved community of Kampala, Uganda.

MENTORING

Nicholas Chapman	Researcher at Children's Hospital of Los Angeles, August 2020 – Present
Miguel Quintero – Consuegra	Cerebrovascular researcher at Cedars-Sinai Medical Center; July 2018 – Present

PUBLICATIONS:

1. Liu, Q., **Babadjouni, R.**, Radwanski, R., Cheng, H., Patel, A., Hodis, D. M., ... & Mack, W. J. (2016). Stroke damage is exacerbated by nano-size particulate matter in a mouse model. *PLoS One*, 11(4), e0153376.
2. **Babadjouni, R. M.**, Walcott, B. P., Liu, Q., Tenser, M. S., Amar, A. P., & Mack, W. J. (2017). Neuroprotective delivery platforms as an adjunct to mechanical thrombectomy. *Neurosurgical Focus*, 42(4), E4.
3. **Babadjouni, R. M.**, Hodis, D. M., Radwanski, R., Durazo, R., Patel, A., Liu, Q., & Mack, W. J. (2017). Clinical effects of air pollution on the central nervous system; a review. *Journal of Clinical Neuroscience*, 43, 16-24.
4. **Babadjouni, R. M.**, Radwanski, R. E., Walcott, B. P., Patel, A., Durazo, R., Hodis, D. M., ... & Mack, W. J. (2017). Neuroprotective strategies following intraparenchymal hemorrhage. *Journal of neurointerventional surgery*, 9(12), 1202-1207.
5. Walcott, B. P., Russin, J. J., **Babadjouni, R.**, & Mack, W. J. (2017). Selective embolization of ruptured feeding artery aneurysm followed by resection of arteriovenous malformation. *Neurosurgical Focus*, 43(videosuppl1), V4.
6. Patel, A., Moalem, A., Cheng, H., **Babadjouni, R. M.**, Patel, K., Hodis, D. M., ... & Mack, W. J. (2017). Chronic cerebral hypoperfusion induced by bilateral carotid artery stenosis causes selective recognition impairment in adult mice. *Neurological research*, 39(10), 910-917.
7. Donoho, D. A., Wen, T., **Babadjouni, R. M.**, Schwartzman, W., Buchanan, I. A., Cen, S. Y., ... & Attenello, F. J. (2018). Predictors of 30-and 90-day readmission following craniotomy for malignant brain tumors: analysis of nationwide data. *Journal of neuro-oncology*, 136(1), 87-94.
8. Liu, Q., Radwanski, R., **Babadjouni, R.**, Patel, A., Hodis, D. M., Baumbacher, P., ... & Mack, W. J. (2019). Experimental chronic cerebral hypoperfusion results in decreased pericyte coverage and increased blood–brain barrier permeability in the corpus callosum. *Journal of Cerebral Blood Flow & Metabolism*, 39(2), 240-250

9. **Babadjouni, R.**, Patel, A., Liu, Q., Shkirkova, K., Lamorie-Foote, K., Connor, M., ... & Mack, W. J. (2018). Nanoparticulate matter exposure results in neuroinflammatory changes in the corpus callosum. *PLoS One*, 13(11), e0206934.
10. **Babadjouni, R.**, Wen, T., Donoho, D. A., Buchanan, I. A., Cen, S. Y., Friedman, R. A., ... & Attenello, F. J. (2019). Increased hospital surgical volume reduces rate of 30-and 90-day readmission after acoustic neuroma surgery. *Neurosurgery*, 84(3), 726-732.
11. Dominguez, R., Zitting, M., Liu, Q., Patel, A., **Babadjouni, R.**, Hodis, D. M., ... & Mack, W. J. (2018). Estradiol protects white matter of male C57BL6J mice against experimental chronic cerebral hypoperfusion. *Journal of Stroke and Cerebrovascular Diseases*, 27(7), 1743-1751.
12. Quintero-Consuegra, M. D., Toscano, J. F., **Babadjouni, R.**, Nisson, P., Kayyali, M. N., Chang, D., ... & Gonzalez, N. R. (2021). Encephaloduroarteriosynangiosis averts stroke in atherosclerotic patients with border-zone infarct: post hoc analysis from a performance criterion phase II trial. *Neurosurgery*, 88(4), E312-E318.
13. Chan, J. L., **Babadjouni, R.**, Sacks, W., Bannykh, S. I., & Tuchman, A. (2020). Symptomatic Cervical Tumoral Calcinosis due to Cosmetic Body Contouring Mineral Oil Injections. *Cureus*, 12(11).
14. Liu, Q., Shkirkova, K., Lamorie-Foote, K., Connor, M., Patel, A., **Babadjouni, R.**, ... & Mack, W. J. (2021). Air pollution particulate matter exposure and chronic cerebral hypoperfusion and measures of white matter injury in a murine model. *Environmental health perspectives*, 129(8), 087006.
15. Chan, J. L., Quintero-Consuegra, M. D., **Babadjouni, R. M.**, Chang, D., Barnard, Z. R., Martin, N. A., ... & Gonzalez, N. R. (2022). Encephaloduroarteriosynangiosis Operative Technique and Intraoperative Anesthesia Management: Treatment From Both Sides of the Curtain. *Operative Neurosurgery*, 22(1), 20-27.
16. Quintero-Consuegra, M. D., Toscano, J. F., **Babadjouni, R.**, Nisson, P., Kayyali, M. N., Chang, D., ... & Gonzalez, N. R. (2021). Encephaloduroarteriosynangiosis averts stroke in atherosclerotic patients with border-zone infarct: post hoc analysis from a performance criterion phase II trial. *Neurosurgery*, 88(4), E312-E318.
17. Chang, D., **Babadjouni, R.**, Nisson, P., Chan, J. L., Quintero-Consuegra, M., Toscano, J. F., & Gonzalez, N. R. (2021). Transvenous Pressure Monitoring Guides Endovascular Treatment of Vein of Galen Malformation: A Technical Note. *Pediatric Neurosurgery*, 56(4), 401-406.
18. Sarmiento, J. M., Cohen, J. D., **Babadjouni, R. M.**, Quintero-Consuegra, M. D., Gonzalez, N. R., & Perry, T. G. (2021). Evaluation of tortuous vertebral arteries before cervical spine surgery: illustrative case. *Journal of Neurosurgery: Case Lessons*, 1(20).

19. Ljubimov, V. A., **Babadjouni, R.**, Ha, J., Krutikova, V. O., Koempel, J. A., Chu, J., & Chiarelli, P. A. (2022). Adolescent subdural empyema in setting of COVID-19 infection: illustrative case. *Journal of Neurosurgery: Case Lessons*, 3(4).
20. Eboli, P., Chang, D., & **Babadjouni, R.** (2022). Conservative Management for an Infratentorial Pial Arteriovenous Fistula in an Elderly Patient: A Case Report. *Journal of Neurology Research*, 12(3), 128-131.
21. **Babadjouni, R. M.**, Narendran, N., Nilssen, P. K., Tuchman, A., & Walker, C. T. (2022). Lateral Corpectomy for Tumor at L1: A Surgical Technique: 2-Dimensional Operative Video. *Operative Neurosurgery*, 10-1227.
22. Schievink, W. I., Maya, M. M., **Babadjouni, R.**, Tay, A. S. M. S., & Taché, R. B. (2024). Skull defect–Frontotemporal dementia sagging brain syndrome. *Annals of Clinical and Translational Neurology*.
- Salam, S., Quintero-Consuegra, M., Ryan, M. V., Vargas, E., Garcia, C., Wong, S., Rejali, M., **Babadjouni, R.**, & Mamelak, A. N. (2025). Theophylline can resolve refractory acute negative-pressure hydrocephalus: illustrative case. *Journal of Neurosurgery: Case Lessons*, 9(21).
23. Shahrestani, S., Garcia, C., Miller, A. M., **Babadjouni, R.**, Boyke, A. E., Quintero-Consuegra, M., Singh, R., Tuchman, A., & Walker, C. T. (2025). Optimizing predictive model performance in adult spinal deformity surgery: a comparative head-to-head analysis of learning models for perioperative complications. *Neurosurgical Focus*, 58(6), E12.
24. Walker, C. T., **Babadjouni, R.**, Gibbs, W., Lord, E., Gausper, A., Osorio, J., ... & Eastlack, R. (2025). Current concepts on imaging and artificial intelligence of osteosarcopenia in the aging spine: a review for Spinal surgeons by the SRS Adult Spinal Deformity Task Force on Senescence. *Spine*, 50(18), 1278-1289.
25. Gausper, A., Nilssen, P., **Babadjouni, R.**, Etigunta, S. K., Liu, A. M., Skaggs, D. L., ... & Tuchman, A. (2025). Similar reoperation rates in upper versus lower thoracic to pelvis instrumentation: an analysis of 7,300 patients utilizing a national administrative database. *Journal of Clinical Neuroscience*, 138, 111391.

BOOK CHAPTERS:

1. Walcott B., **Babadjouni R.**, Mack W. (2017) Balloon Test Occlusion. In Intracranial Aneurysms. Ringer Aj (Ed) Elsevier
2. Walcott B., Chang K., **Babadjouni R.**, Mack W. Aneurysm treatment with flow diverters in Cerebrovascular and Endovascular Neurosurgery. Prestigiacomo C, Ghandi C (Eds) Springer (2016)

3. Do, A. S. M. S., **Babadjouni, R. M.**, & Alexander, M. J. (2021). Thrombectomy for Acute Occlusion in Intermediate-Sized Distal Arteries. *12 Strokes*, 193-205.
4. **Babadjouni, R. M.**, Hanna G, Johnson J.P. Endoscopic Image Guided Thoracic Discectomy; *Operative Techniques in Spine Surgery*
5. Schievink W., Gonzalez N., **Babadjouni R.**, Chang D. Surgical Treatment of Dural Arteriovenous Fistulas and Arteriovenous Malformations. *Operative Techniques in Spine Surgery*

ABSTRACTS:

1. Liu Q., Radwanski R., **Babadjouni R.**, Baumbacher P., Russin J., He S., Morgan T., Sioutas C., Finch C., Mack W. Exposure to Airborne Particulate Matter from Vehicular Exhaust Results in Progression of Brain Injury Following Experimental Stroke. 2015 International Stroke Conference, Nashville, TN.
2. Liu Q., Radwanski R., **Babadjouni R.**, Baumbacher P., Russin J., Zhao Z., Mack W. Experimental Chronic Cerebral Hypoperfusion Results in Decreased Pericyte Coverage and Increased Blood Brain Barrier Permeability in the Corpus Callosum. 2015 International Stroke Conference, Nashville, TN.
3. **Babadjouni R.**, Liu Q., Cheng H., Durazo R., Hodis D., Patel A., Radwanski R., Sioutas C., Finch C., Mack W. Nanoparticulate Matter Exposure Mediates White Matter Changes in a Murine Model. 2017 International Stroke Conference, Houston, TX
4. Gonzalez, N. R., Quintero-Consuegra, M. D., Toscano, J., Babadjouni, R., Chang, D., Nisson, P., & Jeffrey, S. Intensive Medical Management and Life-Style Modifications Can Be Successfully Applied in Combination With Indirect Surgical Revascularization for Symptomatic Intracranial Atherosclerosis. 2020 International Stroke Conference, Los Angeles, CA
5. **Babadjouni, R.**, Danielpour, K., Quintero-Consuegra, M., Nisson, P., Toscano, J. F., Chang, D., ... & Gonzalez, N. R. Improving Pediatric Stroke Recognition Among Pediatric Health Care Providers. 2020 International Stroke Conference, Los Angeles, CA
6. Toscano, J. F., Quintero-Consuegra, M. D., Chang, D., **Babadjouni, R.**, Nisson, P., Saver, J., & Gonzalez, N. R. Effects of Strict Anesthesia Management in a Trial of Surgical Revascularization for Intracranial Atherosclerosis. 2020 International Stroke Conference, Los Angeles, CA
7. Quintero-Consuegra, M. D., Toscano, J. F., **Babadjouni, R.**, Chang, D., Nisson, P., Saver, J., & Gonzalez, N. R. Encephaloduroarteriosynangiosis Surgery Averts Stroke in Atherosclerotic Patients With Border-Zone Stroke. 2020 International Stroke Conference, Los Angeles, CA

8. Chang D., Quintero-Consuegra M., Toscano J., **Babadjouni R.**, Danielpour M., Gonzalez. Transvenous Pressure Monitoring Guides Endovascular Treatment of Vein of Galen Malformations. 2020 International Stroke Conference, Los Angeles, CA
9. Eboli, P., Chang, D., & **Babadjouni, R.** (2022). Conservative Management for an Infratentorial Pial Arteriovenous Fistula in an Elderly Patient: A Case Report. *Journal of Neurology Research*.
10. **Babadjouni R.**, Seruya. M. Long term outcomes in peroneal nerve transfer surgery for foot drop. 2023 American Society for Peripheral Nerve Conference.
11. **Babadjouni R.**, Seruya. M. Undervalued Physician Reimbursement in Peroneal Nerve Transfer Surgery. 2023 American Society for Peripheral Nerve Conference.
12. **Babadjouni R.**, Seruya. M. Undervalued Physician Reimbursement in Brachial Plexus Nerve Transfer Surgery. 2023 American Society for Peripheral Nerve Conference.

ORAL PRESENTATIONS

1. **Babadjouni R.**, Mack W. Hemorrhagic Toxicity in the CNS: Translation From Bench to Bedside. 2017 AANS/CNS Cerebrovascular Section Annual Meeting, Houston, TX.
2. **Babadjouni R.**, Wen T., Donoho., Buchanan I., Cen S., Friedman R., Amar A., Russin J., Giannotta S., Mack W., Attenello F. Increased Surgical Resection Volume Decreases the Rate of 30- and 90-Day Readmission After Acoustic Neuroma Surgery. 2018 North American Skull Base Society, San Diego, CA
3. **Babadjouni R.** Advancements in Endovascular Therapy in the Treatment of Cerebral Sinus Thrombosis. 2020. 12th Annual Symposium on Neurovascular Disease. Cedars Sinai Medical Center, Los Angeles, CA.
4. **Babadjouni R.** EDAS Averts Stroke in Atherosclerotic Patients with Border-zone Infarcts. 2021. California Association of Neurological Surgeons Annual Meeting.
5. **Babadjouni R.** Multilevel Cervical Radiculopathy as an Etiology for Phrenic Nerve Palsy. 2023. American Association of Neurological Surgeons Annual Meeting
6. **Babadjouni R.** Characteristics of Lower Extremity Recovery in Patients with Closed, High Sciatic Nerve Injuries: A Case Series. 2023. American Association of Neurological Surgeons Annual Meeting

7. **Babadjouni R.** The Natural History of Closed, High Sciatic Nerve Injuries.2023.
American Association of Neurological Surgeons Annual Meeting