

NOVA Publications List

1. Alaraj A, et al. ***Quantitative MRV is Correlated With Intravenous Pressures Before and After Venous Sinus Stenting: Implications for Treatment and Monitoring.*** Accepted for publication, *Neurosurgery*, March. 2015
2. Alaraj A, Amin-Hanjani S, Shakur SF, Aletich VA, Ivanov A, Carlson AP, Oh G, Charbel FT. ***Quantitative Assessment of Changes in Cerebral Arteriovenous Malformation Hemodynamics after Embolization.*** *Stroke*. 2015 March 5.
URL: <http://www.ncbi.nlm.nih.gov/pubmed/25744522>
3. Shakur SF, Amin-Hanjani S, Bednarski C, Du X, Aletich VA, Charbel FT, Alaraj A. ***Intracranial blood flow changes after extracranial carotid artery stenting.*** *Neurosurgery*. 2015 Mar;76(3):330-6.
URL: <http://www.ncbi.nlm.nih.gov/pubmed/25599202>
4. Amin-Hanjani S, Du X, Pandey DK, Thulborn KR, and Charbel FT. ***Effect of age and vascular anatomy on blood flow in major cerebral vessels.*** *Journal of Cerebral Blood Flow & Metabolism*, (12 November 2014)
URL: <http://www.ncbi.nlm.nih.gov/pubmed/25388677>
5. Shakur SF, Hrbac T, Alaraj A, Du X, Aletich VA, Charbel FT, Amin-Hanjani S. ***Effects of Extracranial Carotid Stenosis on Intracranial Blood Flow.*** *Stroke*. 2014 Sep 16.
URL: <http://www.ncbi.nlm.nih.gov/pubmed/25228258>
6. Ghogawala Z, Curran J, Woo HH, Hoh BL, Westerveld M, Amin-Hanjani S. ***Carotid revascularization for stenosis improves blood flow and executive cognitive function.*** *Neurosurgery* 2014 Aug;61 Suppl 1:200-1.
URL:
http://www.unboundmedicine.com/medline/citation/25032578/127%E2%80%83Carotid_revascularization_for_stenosis_improves_blood_flow_and_executive_cognitive_function_

7. Esfahani D, Stevenson M, Moss H, Amin-Hanjani S, Aletich V, Charbel F, Alaraj A. ***Quantitative MRA is Correlated with Intravascular Pressures Before and After Venous Sinus Stenting: Implications for Treatment and Monitoring.*** URL: [J Neurointerv Surg.](#) 2014 Jul;6 Suppl 1:A6-7.
8. Navarro R, Feroze A, Choudhri O, Lober R, Khan N, Steinberg G. ***Changes in posterior circulation arterial flows after revascularization surgery in moyamoya disease: a quantitative MRI study.*** J Neurointerv Surg. 2014 Jul;6 Suppl 1:A44. URL: <http://www.ncbi.nlm.nih.gov/pubmed/25064929>
9. Zhao X, Zhao M, Amin-Hanjani S, Du X, Ruland S, Charbel FT. ***Wall Shear Stress in Major Cerebral Arteries as a Function of Age and Gender-A Study of 301 Healthy Volunteers.*** J Neuroimaging. 2014 Jul 4. URL: <http://www.ncbi.nlm.nih.gov/pubmed/25039410>
10. Caputi L, Ghielmetti F, Faragò G, Longaretti F, Lamperti M, Anzola GP, Carriero MR, Charbel FT, Bruzzone MG, Parati E, Ciceri E. ***Cerebrovascular reactivity by quantitative magnetic resonance angiography with a Co₂ challenge. Validation as a new imaging biomarker.*** Eur J Radiol. 2014 Jun;83(6):1005-10. URL: <http://www.ncbi.nlm.nih.gov/pubmed/24721002>
11. Amin-Hanjani S, Singh A, Rifai H, Thulborn KR, Alaraj A, Aletich V, Charbel FT. ***Combined Direct and Indirect Bypass for Moyamoya: Quantitative Assessment of Direct Bypass Flow over Time.*** Neurosurgery. 2013 Aug 13. URL: <http://www.ncbi.nlm.nih.gov/pubmed/23949274>
12. Caprio FZ; Prabhakaran S. ***Advances in imaging of intracranial atherosclerotic disease and implications for treatment.*** [Curr Treat Options Cardiovasc Med.](#) 2013 Jun;15(3):335-47 URL: <http://www.ncbi.nlm.nih.gov/pubmed/23525984>
13. Ghogawala Z, Amin-Hanjani S, Curran J, Ciarleglio M, Berenstein A, Stabile L, Westerveld M. ***The Effect of Carotid Endarterectomy on Cerebral Blood Flow and Cognitive Function.*** J Stroke Cerebrovasc Dis. 2012 May 1. URL: <http://www.ncbi.nlm.nih.gov/pubmed/22554567>
14. Carlson AP, Alaraj A, Amin-Hanjani S, Charbel FT, Aletich VA. ***Continued concern about parent vessel steno-occlusive progression with Onyx HD-500 and the utility of quantitative magnetic resonance imaging in serial assessment.*** Neurosurgery. 2013 Mar;72(3):341-52 URL: <http://www.ncbi.nlm.nih.gov/pubmed/23208058>

15. Alaraj A, Pytynia K, Carlson AP, Krishna PH, Charbel FT, Amin-Hanjani S, Aletich V. ***Combined preoperative onyx embolization and protective internal carotid artery covered stent placement for treatment of glomus vagale tumor: review of literature and illustrative case.*** *Neurol Res.* 2012 Jul;34(6):523-9.
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URL: <http://www.ncbi.nlm.nih.gov/pubmed/22490431>
18. Calderon-Arnulphi M, Amin-Hanjani A, Alaraj A, Zhao M, Du X, Ruland S, Zhou XJ, Thulborn KR, Charbel FT. ***In Vivo Evaluation of Quantitative MR Angiography in a Canine Carotid Artery Stenosis Model.*** *Am J Neuroradiol* 32:1552-59. September 2011.
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URL: <http://www.ncbi.nlm.nih.gov/pubmed/20829710>
23. Sepideh Amin-Hanjani, Ali Alaraj, Mateo Calderon-Arnulphi, Victor A. Aletich, Keith R. Thulborn, and Fady T. Charbel. *Detection of Intracranial In-Stent Restenosis Using Quantitative Magnetic Resonance Angiography.* Stroke 2010;41:2534.
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