

## Publications

2019

Damotte, V., A. Lizee, M. Tremblay, A. Agrawal, P. Khankhanian, A. Santaniello, R. Gomez, R. Lincoln, W. Tang, T. Chen, N. Lee, P. Villoslada, J. A. Hollenbach, C. D. Bevan, J. Graves, R. Bove, D. S. Goodin, A. J. Green, S. E. Baranzini, B. A. Cree, R. G. Henry, S. L. Hauser, J. M. Gelfand and P. A. Gourraud (2019). "Harnessing electronic medical records to advance research on multiple sclerosis." *Mult Scler* 25(3): 408-418. PMID: 29310490 DOI: 10.1177/1352458517747407 [1]

Greenfield, A. L., R. Dandekar, A. Ramesh, E. L. Eggers, H. Wu, S. Laurent, W. Harkin, N. S. Pierson, M. S. Weber, R. G. Henry, A. Bischof, B. A. Cree, S. L. Hauser, M. R. Wilson and H. C. von Budingen (2019). "Longitudinally persistent cerebrospinal fluid B cells can resist treatment in multiple sclerosis." *JCI Insight* 4(6). PMID: 30747723 PMCID: PMC6482992 DOI: 10.1172/jci.insight.126599 [2]

International Multiple Sclerosis Genetics Consortium (2019). "A systems biology approach uncovers cell-specific gene regulatory effects of genetic associations in multiple sclerosis." *Nature communications*, 10(1), 2236. PMID: 31110181 PMCID: PMC6527683 DOI: 10.1038/s41467-019-09773-y [3]

Oh, J., D. Ontaneda, C. Azevedo, E. C. Klawiter, M. Absinta, D. L. Arnold, R. Bakshi, P. A. Calabresi, C. Crainiceanu, B. Dewey, L. Freeman, S. Gauthier, R. Henry, M. Inglese, S. Kolind, D. K. B. Li, C. Mainero, R. S. Menon, G. Nair, S. Narayanan, F. Nelson, D. Pelletier, A. Rauscher, W. Rooney, P. Sati, D. Schwartz, R. T. Shinohara, I. Tagge, A. Traboulsee, Y. Wang, Y. Yoo, T. Yousry, Y. Zhang, N. L. Sicotte, D. S. Reich and C. North American Imaging in Multiple Sclerosis (2019). "Imaging outcome measures of neuroprotection and repair in MS: A consensus statement from NAIMS." *Neurology* 92(11): 519-533. PMID: 30787160 PMCID: PMC6511106 [Available on 2020-03-12] DOI: 10.1212/WNL.00000000000007099 [4]

Papinutto, N. and R. G. Henry (2019). "Evaluation of Intra- and Interscanner Reliability of MRI Protocols for Spinal Cord Gray Matter and Total Cross-Sectional Area Measurements." *J Magn Reson Imaging* 49(4): 1078-1090. PMID: 30198209 DOI:

10.1002/jmri.26269 [5]

Politi, L. S., A. Castellano, N. Papinutto, E. Mauro, D. Pareyson, R. G. Henry, A. Falini and E. Salsano (2019). "Longitudinal quantitative MRI in adrenomyeloneuropathy." *Eur J Neurol*. PMID: 30932272 DOI: 10.1111/ene.13959 [6]

Ries, S. K., V. Piai, D. Perry, S. Griffin, K. Jordan, R. Henry, R. T. Knight and M. S. Berger (2019). "Roles of ventral versus dorsal pathways in language production: An awake language mapping study." *Brain and language* 191: 17-27. PMID: 30769167 PMCID: PMC6402581 [Available on 2020-04-01] DOI: 10.1016/j.bandl.2019.01.001 [7]

Schwartz, D. L., I. Tagge, K. Powers, S. Ahn, R. Bakshi, P. A. Calabresi, R. Todd Constable, J. Grinstead, R. G. Henry, G. Nair, N. Papinutto, D. Pelletier, R. Shinohara, J. Oh, D. S. Reich, N. L. Sicotte, W. D. Rooney and N. Cooperative (2019). "Multisite reliability and repeatability of an advanced brain MRI protocol." *Journal of magnetic resonance imaging : JMRI*. PMID: 30652391 DOI: 10.1002/jmri.26652 [8]

University of California, S. F. M. S. E. T., B. A. C. Cree, J. A. Hollenbach, R. Bove, G. Kirkish, S. Sacco, E. Caverzasi, A. Bischof, T. Gundel, A. H. Zhu, N. Papinutto, W. A. Stern, C. Bevan, A. Romeo, D. S. Goodin, J. M. Gelfand, J. Graves, A. J. Green, M. R. Wilson, S. S. Zamvil, C. Zhao, R. Gomez, N. R. Ragan, G. Q. Rush, P. Barba, A. Santaniello, S. E. Baranzini, J. R. Oksenberg, R. G. Henry and S. L. Hauser (2019). "Silent Progression in Disease Activity-Free Relapsing Multiple Sclerosis." *Annals of neurology*. PMID: 30851128 PMCID: PMC6518998 DOI: 10.1002/ana.25463 [9]

2018

Boucneau, T., P. Cao, S. Tang, M. Han, D. Xu, R. G. Henry and P. E. Z. Larson (2018). "In vivo characterization of brain ultrashort-T2 components." *Magn Reson Med* 80(2): 726-735. PMID: 29194734 PMCID: PMC5910201 DOI: 10.1002/mrm.27037 [10]

Cree, B. A. C., J. Niu, K. K. Hoi, C. Zhao, S. D. Caganap, R. G. Henry, D. Q. Dao, D. R. Zollinger, F. Mei, Y. A. A. Shen, R. J. M. Franklin, E. M. Ullian, L. Xiao, J. R. Chan and S. P. J. Fancy (2018). "Clemastine rescues myelination defects and promotes functional recovery in hypoxic brain injury." *Brain : a journal of neurology* 141(1): 85-98. PMID: 29244098 PMCID: PMC6394402 DOI: 10.1093/brain/awx312 [11]

Dworkin, J. D., K. A. Linn, I. Oguz, G. M. Fleishman, R. Bakshi, G. Nair, P. A. Calabresi, R. G. Henry, J. Oh, N. Papinutto, D. Pelletier, W. Rooney, W. Stern, N. L. Sicotte, D. S. Reich, R. T. Shinohara and C. North American Imaging in Multiple Sclerosis (2018). "An Automated Statistical Technique for Counting Distinct Multiple Sclerosis Lesions." *AJNR. American journal of neuroradiology* 39(4): 626-633. PMID: 29472300 PMCID: PMC5895493 DOI: 10.3174/ajnr.A5556 [12]

Graves, J. S., R. G. Henry, B. A. C. Cree, G. Lambert-Messerlian, R. M. Greenblatt, E. Waubant, M. I. Cedars, A. Zhu, S. F. M. S. E. T. University of California, P. Bacchetti, S. L. Hauser and J. R. Oksenberg (2018). "Ovarian aging is associated with gray matter volume and disability in women with MS." *Neurology* 90(3): e254-e260. PMID: 29273686 PMCID: PMC5772165 DOI: 10.1212/WNL.0000000000004843 [13]

Han, S. J., R. A. Morshed, I. Troncon, K. M. Jordan, R. G. Henry, S. L. Hervey-Jumper and M. S. Berger (2018). "Subcortical stimulation mapping of descending motor pathways for peritumoral gliomas: assessment of morbidity and functional outcome in 702 cases." *J Neurosurg*: 1-8. PMID: 30117770 DOI: 10.3171/2018.3.JNS172494 [14]

Jordan, K. M., B. Amirbekian, A. Keshavan and R. G. Henry (2018). "Cluster Confidence Index: A Streamline-Wise Pathway Reproducibility Metric for Diffusion-Weighted MRI Tractography." *J Neuroimaging* 28(1): 64-69. PMID: 28940825 DOI: 10.1111/jon.12467 [15]

Keshavan, A., E. Datta, I. M McDonough, C. R. Madan, K. Jordan and R. G. Henry (2018). "Mindcontrol: A web application for brain segmentation quality control." *NeuroImage* 170: 365-372. PMID: 28365419 DOI: 10.1016/j.neuroimage.2017.03.055 [16]

Lee, H., Y. Nam, H. J. Lee, J. J. Hsu, R. G. Henry and D. H. Kim (2018). "Improved three-dimensional multi-echo gradient echo based myelin water fraction mapping with phase related artifact correction." *Neuroimage* 169: 1-10. PMID: 29191477 DOI: 10.1016/j.neuroimage.2017.11.058

Oh, J., R. Bakshi, P. A. Calabresi, C. Crainiceanu, R. G. Henry, G. Nair, N. Papinutto, R. T. Constable, D. S. Reich, D. Pelletier, W. Rooney, D. Schwartz, I. Tagge, R. T. Shinohara, J. H. Simon, N. L. Sicotte and N. C. S. Committee (2018). "The NAIMS cooperative pilot project: Design, implementation and future directions." *Multiple sclerosis (Houndmills, Basingstoke, England)* 24(13): 1770-1772. PMID: 29106329 PMCID: PMC5878974 DOI: 10.1177/1352458517739990 [18]

Olney, N. T., A. Bischof, H. Rosen, E. Caverzasi, W. A. Stern, C. Lomen-Hoerth, B. L. Miller, R. G. Henry and N. Papinutto (2018). "Measurement of spinal cord atrophy using phase sensitive inversion recovery (PSIR) imaging in motor neuron disease." *PLoS One* 13(11): e0208255. PMID: 30496320 PMCID: PMC6264489 DOI: 10.1371/journal.pone.0208255 [19]

Papinutto, N., R. Bakshi, A. Bischof, P. A. Calabresi, E. Caverzasi, R. T. Constable, E. Datta, G. Kirkish, G. Nair, J. Oh, D. Pelletier, D. L. Pham, D. S. Reich, W. Rooney, S. Roy, D. Schwartz, R. T. Shinohara, N. L. Sicotte, W. A. Stern, I. Tagge, S. Tauhid, S. Tummala and R. G. Henry (2018). "Gradient nonlinearity effects on upper cervical spinal cord area measurement from 3D T1 -weighted brain MRI acquisitions." *Magn Reson Med* 79(3): 1595-1601. PMID: 28617996 PMCID: PMC6175276 DOI: 10.1002/mrm.26776 [20]

Wei, H., P. Cao, A. Bischof, R. G. Henry, P. E. Z. Larson and C. Liu (2018). "MRI gradient-echo phase contrast of the brain at ultra-short TE with off-resonance saturation." *Neuroimage* 175: 1-11. PMID: 29604452 PMCID: PMC5960631 DOI: 10.1016/j.neuroimage.2018.03.066 [21]

2017

Bischof, A., E. Caverzasi, C. Cordano, S. L. Hauser and R. G. Henry (2017). "Advances in Imaging Multiple Sclerosis." *Semin Neurol* 37(5): 538-545. PMID: 27834394 DOI: 10.1055/s-0037-1607278 [22]

Cysique, L. A., J. R. Soares, G. Geng, M. Scarpetta, K. Moffat, M. Green, B. J. Brew, R. G. Henry and C. Rae (2017). "White matter measures are near normal in controlled HIV infection except in those with cognitive impairment and longer HIV duration." *J Neurovirol* 23(4): 539-547. PMID: 28324319 DOI: 10.1007/s13365-017-0524-1

Cysique, L. A., J. R. Soares, G. Geng, M. Scarpetta, K. Moffat, M. Green, B. J. Brew, R. G. Henry and C. Rae (2017). "Erratum to: White matter measures are near normal in controlled HIV infection except in those with cognitive impairment and longer HIV duration." *J Neurovirol* 23(4): 548-549. PMID: 28755142 DOI: 10.1007/s13365-017-0542-z [24]

Datta, E., N. Papinutto, R. Schlaeger, A. Zhu, J. Carballido-Gamio and R. G. Henry (2017). "Gray matter segmentation of the spinal cord with active contours in MR images." *Neuroimage* 147: 788-799. PMID: 27495383 DOI: 10.1016/j.neuroimage.2016.07.062 [25]

Eggers, E. L., B. A. Michel, H. Wu, S. Z. Wang, C. J. Bevan, A. Abounasr, N. S. Pierson, A. Bischof, M. Kazer, E. Leitner, A. L. Greenfield, S. Demuth, M. R. Wilson, R. G. Henry, B. A. Cree, S. L. Hauser and H. C. von Budingen (2017). "Clonal relationships of CSF B cells in treatment-naive multiple sclerosis patients." *JCI Insight* 2(22). PMID: 29202449. PMCID: PMC5752381 DOI: 10.1172/jci.insight.92724 [26]

Green, A. J., J. M. Gelfand, B. A. Cree, C. Bevan, W. J. Boscardin, F. Mei, J. Inman, S. Arnow, M. Devereux, A. Abounasr, H. Nobuta, A. Zhu, M. Friessen, R. Gerona, H. C. von Büdingen, R. G. Henry, S. L. Hauser and J. R. Chan (2017). "Clemastine fumarate as a remyelinating therapy for multiple sclerosis (ReBUILD): a randomised, controlled, double-blind, crossover trial." *Lancet (London, England)* 390(10111): 2481-2489. PMID: 29029896 DOI: 10.1016/S0140-6736(17)32346-2 [27]

Panara, V., R. Navarra, P. A. Mattei, E. Piccirilli, A. R. Cotroneo, N. Papinutto, R. G. Henry, A. Uncini and M. Caulo (2017). "Spinal cord microstructure integrating phase-sensitive inversion recovery and diffusional kurtosis imaging." *Neuroradiology* 59(8): 819-827. PMID: 28676888 DOI: 10.1007/s00234-017-1864-5 [28]

Prados, F., J. Ashburner, C. Blaiotta, T. Brosch, J. Carballido-Gamio, M. J. Cardoso, B. N. Conrad, E. Datta, G. David, B. Leener, S. M. Dupont, P. Freund, C. Wheeler-Kingshott, F. Grussu, R. Henry, B. A. Landman, E. Ljungberg, B. Lyttle, S. Ourselin, N. Papinutto, S. Saporito, R. Schlaeger, S. A. Smith, P. Summers, R. Tam, M. C. Yiannakas, A. Zhu and J. Cohen-Adad (2017). "Spinal cord grey matter segmentation challenge." *Neuroimage* 152: 312-329. PMID: 28286318 PMCID: PMC5440179 DOI: 10.1016/j.neuroimage.2017.03.010

Rocca, M. A., M. Battaglini, R. H. B. Benedict, N. De Stefano, J. J. G. Geurts, R. G. Henry, M. A. Horsfield, M. Jenkinson, E. Pagani and M. Filippi (2017). "Brain MRI atrophy quantification in MS: From methods to clinical application." *Neurology* 88(4): 403-413. PMID: 27986875 PMCID: PMC5272969 DOI: 10.1212/WNL.0000000000003542 [30]

Shinohara, R. T., J. Oh, G. Nair, P. A. Calabresi, C. Davatzikos, J. Doshi, R. G. Henry, G. Kim, K. A. Linn, N. Papinutto, D. Pelletier, D. L. Pham, D. S. Reich, W. Rooney, S. Roy, W. Stern, S. Tummala, F. Yousuf, A. Zhu, N. L. Sicotte, R. Bakshi and N. Cooperative (2017). "Volumetric Analysis from a Harmonized Multisite Brain MRI Study of a Single Subject with Multiple Sclerosis." *AJNR. American journal of neuroradiology* 38(8): 1501-1509. PMID: 28642263 PMCID: PMC5557658 DOI: 10.3174/ajnr.A5254 [31]

Southwell, D. G., M. Riva, K. Jordan, E. Caverzasi, J. Li, D. W. Perry, R. G. Henry and M. S. Berger (2017). "Language outcomes after resection of dominant inferior parietal lobule gliomas." *J Neurosurg* 127(4): 781-789. PMID: 28059657 DOI: 10.3171/2016.8.JNS16443 [32]

von Budingen, H. C., A. Bischof, E. L. Eggers, S. Wang, C. J. Bevan, B. A. Cree, R. G. Henry and S. L. Hauser (2017). "Onset of secondary progressive MS after long-term rituximab therapy - a case report." *Ann Clin Transl Neurol* 4(1): 46-52. PMID: 28078314 PMCID: PMC5221476 DOI: 10.1002/acn3.377 [33]

2016

Biberacher, V., P. Schmidt, A. Keshavan, C. C. Boucard, R. Righart, P. Samann, C. Preibisch, D. Frobel, L. Aly, B. Hemmer, C. Zimmer, R. G. Henry and M. Muhlau (2016). "Intra- and interscanner variability of magnetic resonance imaging based volumetry in multiple sclerosis." *Neuroimage* 142: 188-197. PMID: 27431758 DOI: 10.1016/j.neuroimage.2016.07.035 [34]

Castellano, A., N. Papinutto, M. Cadioli, G. Brugnara, A. Iadanza, G. Scigliuolo, D. Pareyson, G. Uziel, W. Köhler, P. Aubourg, A. Falini, R. G. Henry, L. S. Politi and E. Salsano (2016). "Quantitative MRI of the spinal cord and brain in adrenomyeloneuropathy: in vivo assessment of structural changes." *Brain : a journal*

of neurology 139(Pt 6): 1735-1746. PMID: 27068048 DOI: 10.1093/brain/aww068 [35]

Caverzasi, E., S. L. Hervey-Jumper, K. M. Jordan, I. V. Lobach, J. Li, V. Panara, C. A. Racine, V. Sankaranarayanan, B. Amirbekian, N. Papinutto, M. S. Berger and R. G. Henry (2016). "Identifying preoperative language tracts and predicting postoperative functional recovery using HARDI q-ball fiber tractography in patients with gliomas." *J Neurosurg* 125(1): 33-45. PMID: 26654181 DOI: 10.3171/2015.6.JNS142203 [36]

Caverzasi, E., N. Papinutto, A. Castellano, A. H. Zhu, P. Scifo, M. Riva, L. Bello, A. Falini, A. Bharatha and R. G. Henry (2016). "Neurite Orientation Dispersion and Density Imaging Color Maps to Characterize Brain Diffusion in Neurologic Disorders." *J Neuroimaging* 26(5): 494-498. PMID: 27214558 DOI: 10.1111/jon.12359 [37]

Cree, B. A., P. A. Gourraud, J. R. Oksenberg, C. Bevan, E. Crabtree-Hartman, J. M. Gelfand, D. S. Goodin, J. Graves, A. J. Green, E. Mowry, D. T. Okuda, D. Pelletier, H. C. von Budingen, S. S. Zamvil, A. Agrawal, S. Caillier, C. Ciocca, R. Gomez, R. Kanner, R. Lincoln, A. Lizee, P. Qualley, A. Santaniello, L. Suleiman, M. Bucci, V. Panara, N. Papinutto, W. A. Stern, A. H. Zhu, G. R. Cutter, S. Baranzini, R. G. Henry and S. L. Hauser (2016). "Long-term evolution of multiple sclerosis disability in the treatment era." *Ann Neurol* 80(4): 499-510. PMID: 27464262 PMCID: PMC5105678 DOI: 10.1002/ana.24747 [38]

Isobe, N., A. Keshavan, P. A. Gourraud, A. H. Zhu, E. Datta, R. Schlaeger, S. J. Caillier, A. Santaniello, A. Lizée, D. S. Himmelstein, S. E. Baranzini, J. Hollenbach, B. A. C. Cree, S. L. Hauser, J. R. Oksenberg and R. G. Henry (2016). "Association of HLA Genetic Risk Burden With Disease Phenotypes in Multiple Sclerosis." *JAMA neurology* 73(7): 795-802. PMID: 27244296 PMCID: PMC5081075 DOI: 10.1001/jamaneurol.2016.0980 [39]

Isobe, N., J. R. Oksenberg and R. G. Henry (2016). HLA Genetic Risk Burden in Multiple Sclerosis-Reply. *JAMA Neurol. United States*. 73: 1501-1502. PMID: 27775754 DOI: 10.1001/jamaneurol.2016.4326 [40]

Keshavan, A., F. Paul, M. K. Beyer, A. H. Zhu, N. Papinutto, R. T. Shinohara, W. Stern, M. Amann, R. Bakshi, A. Bischof, A. Carriero, M. Comabella, J. C. Crane, S. D'Alfonso, P. Demaerel, B. Dubois, M. Filippi, V. Fleischer, B. Fontaine, L. Gaetano, A. Goris, C. Graetz, A. Groger, S. Groppa, D. A. Hafler, H. F. Harbo, B. Hemmer, K. Jordan, L. Kappos, G. Kirkish, S. Llufriu, S. Magon, F. Martinelli-Boneschi, J. L. McCauley, X.

Montalban, M. Muhlau, D. Pelletier, P. M. Pattany, M. Pericak-Vance, I. Cournu-Rebeix, M. A. Rocca, A. Rovira, R. Schlaeger, A. Saiz, T. Sprenger, A. Stecco, B. M. J. Uitdehaag, P. Villoslada, M. P. Wattjes, H. Weiner, J. Wuerfel, C. Zimmer, F. Zipp, S. L. Hauser, J. R. Oksenberg and R. G. Henry (2016). "Power estimation for non-standardized multisite studies." *Neuroimage* 134: 281-294. PMID: 27039700 PMCID: PMC5656257 DOI: 10.1016/j.neuroimage.2016.03.051 [41]

Larson, P. E. Z., M. Han, R. Krug, A. Jakary, S. J. Nelson, D. B. Vigneron, R. G. Henry, G. McKinnon and D. A. C. Kelley (2016). "Ultrashort echo time and zero echo time MRI at 7T." *Magma (New York, N.Y.)* 29(3): 359-370. PMID: 26702940 PMCID: PMC4892974 DOI: 10.1007/s10334-015-0509-0 [42]

Mandelli, M. L., E. Vilaplana, J. A. Brown, H. I. Hubbard, R. J. Binney, S. Attygalle, M. A. Santos-Santos, Z. A. Miller, M. Pakvasa, M. L. Henry, H. J. Rosen, R. G. Henry, G. D. Rabinovici, B. L. Miller, W. W. Seeley and M. L. Gorno-Tempini (2016). "Healthy brain connectivity predicts atrophy progression in non-fluent variant of primary progressive aphasia." *Brain* 139(Pt 10): 2778-2791. PMID: 27497488 PMCID: PMC5035819 DOI: 10.1093/brain/aww195 [43]

Papinutto, N., S. Galantucci, M. L. Mandelli, B. Gesierich, J. Jovicich, E. Caverzasi, R. G. Henry, W. W. Seeley, B. L. Miller, K. A. Shapiro and M. L. Gorno-Tempini (2016). "Structural connectivity of the human anterior temporal lobe: A diffusion magnetic resonance imaging study." *Hum Brain Mapp* 37(6): 2210-2222. PMID: 26945805 PMCID: PMC4922800 DOI: 10.1002/hbm.23167 [44]

Sati, P., J. Oh, R. T. Constable, N. Evangelou, C. R. G. Guttmann, R. G. Henry, E. C. Klawiter, C. Mainero, L. Massacesi, H. McFarland, F. Nelson, D. Ontaneda, A. Rauscher, W. D. Rooney, A. P. R. Samaraweera, R. T. Shinohara, R. A. Sobel, A. J. Solomon, C. A. Treaba, J. Wuerfel, R. Zivadinov, N. L. Sicotte, D. Pelletier, D. S. Reich and N. Cooperative (2016). "The central vein sign and its clinical evaluation for the diagnosis of multiple sclerosis: a consensus statement from the North American Imaging in Multiple Sclerosis Cooperative." *Nature reviews. Neurology* 12(12): 714-722. PMID: 27834394 DOI: 10.1038/nrneurol.2016.166 [45]

2015

Larson PE, Han M, Krug R, Jakary A, Nelson SJ, Vigneron DB, Henry RG, McKinnon G, Kelley DA. Ultrashort echo time and zero echo time MRI at 7T. *MAGMA*. 2015 Dec 24. [Epub ahead of print] PubMed PMID: 26702940.



Caverzasi E, Hervey-Jumper SL, Jordan KM, Lobach IV, Li J, Panara V, Racine CA, Sankaranarayanan V, Amirbekian B, Papinutto N, Berger MS, Henry RG. Identifying preoperative language tracts and predicting postoperative functional recovery using HARDI q-ball fiber tractography in patients with gliomas. *J Neurosurg*. 2015 Dec 11:1-13. [Epub ahead of print] PubMed PMID: 26654181. [47]

Schlaeger R, Papinutto N, Zhu AH, Lobach IV, Bevan CJ, Bucci M, Castellano A, Gelfand JM, Graves JS, Green AJ, Jordan KM, Keshavan A, Panara V, Stern WA, von Büdingen HC, Waubant E, Goodin DS, Cree BA, Hauser SL, Henry RG. Association Between Thoracic Spinal Cord Gray Matter Atrophy and Disability in Multiple Sclerosis. *JAMA Neurol*. 2015 Aug;72(8):897-904. doi: 10.1001/jamaneurol.2015.0993. PubMed PMID: 26053119. [48]

Papinutto N, Schlaeger R, Panara V, Zhu AH, Caverzasi E, Stern WA, Hauser SL, Henry RG. Age, gender and normalization covariates for spinal cord gray matter and total cross-sectional areas at cervical and thoracic levels: A 2D phase sensitive inversion recovery imaging study. *PLoS One*. 2015 Mar 17;10(3):e0118576. doi: 10.1371/journal.pone.0118576. eCollection 2015. PubMed PMID: 25781178; PubMed Central PMCID: PMC4363673. [49]

## 2014

Papinutto N, Schlaeger R, Panara V, Caverzasi E, Ahn S, Johnson KJ, Zhu AH, Stern WA, Laub G, Hauser SL, Henry RG. 2D phase-sensitive inversion recovery imaging to measure in vivo spinal cord gray and white matter areas in clinically feasible acquisition times. *J Magn Reson Imaging*. 2015 Sep;42(3):698-708. doi: 10.1002/jmri.24819. Epub 2014 Dec 8. PubMed PMID: 25483607. [50]

Caverzasi E, Mandelli ML, DeArmond SJ, Hess CP, Vitali P, Papinutto N, Oehler A, Miller BL, Lobach IV, Bastianello S, Geschwind MD, Henry RG. White matter involvement in sporadic Creutzfeldt-Jakob disease. *Brain*. 2014 Dec;137(Pt 12):3339-54. doi: 10.1093/brain/awu298. Epub 2014 Nov 2. PubMed PMID: 25367029; PubMed Central PMCID: PMC4240303. [51]

Gourraud PA, Henry RG, Cree BA, Crane JC, Lizee A, Olson MP, Santaniello AV, Datta E, Zhu AH, Bevan CJ, Gelfand JM, Graves JS, Goodin DS, Green AJ, von Büdingen HC, Waubant E, Zamvil SS, Crabtree-Hartman E, Nelson S, Baranzini SE, Hauser SL. Precision medicine in chronic disease management: The multiple sclerosis BioScreen. *Ann Neurol*. 2014 Nov;76(5):633-42. doi: 10.1002/ana.24282. Epub 2014 Oct 14. Review. PubMed PMID: 25263997; PubMed Central PMCID: PMC4214886. [52]

Schlaeger R, Papinutto N, Panara V, Bevan C, Lobach IV, Bucci M, Caverzasi E, Gelfand JM, Green AJ, Jordan KM, Stern WA, von Büdingen HC, Waubant E, Zhu AH, Goodin

**DS, Cree BA, Hauser SL, Henry RG. Spinal cord gray matter atrophy correlates with multiple sclerosis disability. *Ann Neurol.* 2014 Oct;76(4):568-80. doi: 10.1002/ana.24241. Epub 2014 Aug 21. PubMed PMID: 25087920. [53]**

**Mandelli ML, Caverzasi E, Binney RJ, Henry ML, Lobach I, Block N, Amirbekian B, Dronkers N, Miller BL, Henry RG, Gorno-Tempini ML. Frontal white matter tracts sustaining speech production in primary progressive aphasia. *J Neurosci.* 2014 Jul 16;34(29):9754-67. doi: 10.1523/JNEUROSCI.3464-13.2014. PubMed PMID: 25031413; PubMed Central PMCID: PMC4099550. [54]**

**Caverzasi E, Papinutto N, Amirbekian B, Berger MS, Henry RG. Q-ball of inferior fronto-occipital fasciculus and beyond. *PLoS One.* 2014 Jun 19;9(6):e100274. doi: 10.1371/journal.pone.0100274. eCollection 2014. PubMed PMID: 24945305; PubMed Central PMCID: PMC4063757. [55]**

**Mandelli ML, Berger MS, Bucci M, Berman JI, Amirbekian B, Henry RG. Quantifying accuracy and precision of diffusion MR tractography of the corticospinal tract in brain tumors. *J Neurosurg.* 2014 Aug;121(2):349-58. doi: 10.3171/2014.4.JNS131160. Epub 2014 Jun 6. PubMed PMID: 24905560. [56]**

**2013**

**Bucci M, Mandelli ML, Berman JI, Amirbekian B, Nguyen C, Berger MS, Henry RG. Quantifying diffusion MRI tractography of the corticospinal tract in brain tumors with deterministic and probabilistic methods. *Neuroimage Clin.* 2013 Aug 20;3:361-8. doi: 10.1016/j.nicl.2013.08.008. eCollection 2013. PubMed PMID: 24273719; PubMed Central PMCID: PMC3815019. [57]**

**Gourraud PA, Sdika M, Khankhanian P, Henry RG, Beheshtian A, Matthews PM, Hauser SL, Oksenberg JR, Pelletier D, Baranzini SE. A genome-wide association study of brain lesion distribution in multiple sclerosis. *Brain.* 2013 Apr;136(Pt4):1012-24. doi: 10.1093/brain/aws363. Epub 2013 Feb 13. PubMed PMID: 23412934; PubMed Central PMCID: PMC3613709. [58]**

2012

Gupta N, Henry RG, Strober J, Kang SM, Lim DA, Bucci M, Caverzasi E, Gaetano L, Mandelli ML, Ryan T, Perry R, Farrell J, Jeremy RJ, Ulman M, Huhn SL, Barkovich AJ, Rowitch DH. Neural stem cell engraftment and myelination in the human brain. *Sci Transl Med.* 2012 Oct 10;4(155):155ra137. doi: 10.1126/scitranslmed.3004373. Erratum in: *Sci Transl Med.* 2012 Dec 19;4(165):165er8. PubMed PMID: 23052294; PubMed Central PMCID: PMC3893824. [59]

Gold SM, O'Connor MF, Gill R, Kern KC, Shi Y, Henry RG, Pelletier D, Mohr DC, Sicotte NL. Detection of altered hippocampal morphology in multiple sclerosis-associated depression using automated surface mesh modeling. *Hum Brain Mapp.* 2014 Jan;35(1):30-7. doi: 10.1002/hbm.22154. Epub 2012 Jul 30. PubMed PMID: 22847919; PubMed Central PMCID: PMC3748203. [60]

Mohr DC, Lovera J, Brown T, Cohen B, Neylan T, Henry R, Siddique J, Jin L, Daikh D, Pelletier D. A randomized trial of stress management for the prevention of new brain lesions in MS. *Neurology.* 2012 Jul 31;79(5):412-9. doi: 10.1212/WNL.0b013e3182616ff9. Epub 2012 Jul 11. PubMed PMID: 22786596; PubMed Central PMCID: PMC3405245. [61]

Westlake KP, Hinkley LB, Bucci M, Guggisberg AG, Byl N, Findlay AM, Henry RG, Nagarajan SS. Resting state  $\beta$ -band functional connectivity and recovery after stroke. *Exp Neurol.* 2012 Sep;237(1):160-9. doi: 10.1016/j.expneurol.2012.06.020. Epub 2012 Jun 27. Erratum in: *Exp Neurol.* 2012 Dec;238(2):100. PubMed PMID: 22750324; PubMed Central PMCID: PMC3646713. [62]

2011

Galantucci S, Tartaglia MC, Wilson SM, Henry ML, Filippi M, Agosta F, Dronkers NF, Henry RG, Ogar JM, Miller BL, Gorno-Tempini ML. White matter damage in primary progressive aphasia: a diffusion tensor tractography study. *Brain.* 2011 Oct;134(Pt 10):3011-29. doi: 10.1093/brain/awr099. Epub 2011 Jun 11. PubMed PMID: 21666264; PubMed Central PMCID: PMC3187537. [63]

2010

Agosta F, Henry RG, Migliaccio R, Neuhaus J, Miller BL, Dronkers NF, Brambati SM, Filippi M, Ogar JM, Wilson SM, Gorno-Tempini ML. Language networks in semantic dementia. *Brain.* 2010 Jan;133(Pt 1):286-99. doi: 10.1093/brain/awp233. Epub 2009 Sep 16. PubMed PMID: 19759202; PubMed Central PMCID: PMC2801321. [63]

2009

Waubant E, Chabas D, Okuda DT, Glenn O, Mowry E, Henry RG, Strober JB, Soares B, Wintermark M, Pelletier D. Difference in disease burden and activity in pediatric patients on brain magnetic resonance imaging at time of multiple sclerosis onset vs adults. *Arch Neurol.* 2009 Aug;66(8):967-71. doi: 10.1001/archneurol.2009.135. PubMed

PMID: 19667217. [64]

Chung S, Courcot B, Sdika M, Moffat K, Rae C, Henry RG. Bootstrap quantification of cardiac pulsation artifact in DTI. *Neuroimage*. 2010 Jan 1;49(1):631-40. doi: 10.1016/j.neuroimage.2009.06.067. Epub 2009 Jul 3. PubMed PMID: 19577652. [65]

Henry RG, Shieh M, Amirbekian B, Chung S, Okuda DT, Pelletier D. Connecting white matter injury and thalamic atrophy in clinically isolated syndromes. *J Neurol Sci*. 2009 Jul 15;282(1-2):61-6. doi: 10.1016/j.jns.2009.02.379. Epub 2009 Apr 23. PubMed PMID: 19394969. [66]

Wilson SM, Brambati SM, Henry RG, Handwerker DA, Agosta F, Miller BL, Wilkins DP, Ogar JM, Gorno-Tempini ML. The neural basis of surface dyslexia in semantic dementia. *Brain*. 2009 Jan;132(Pt 1):71-86. doi: 10.1093/brain/awn300. Epub 2008 Nov 20. PubMed PMID: 19022856; PubMed Central PMCID: PMC2638692. [67]

2008

Corvol JC, Pelletier D, Henry RG, Caillier SJ, Wang J, Pappas D, Casazza S, Okuda DT, Hauser SL, Oksenberg JR, Baranzini SE. Abrogation of T cell quiescence characterizes patients at high risk for multiple sclerosis after the initial neurological event. *Proc Natl Acad Sci U S A*. 2008 Aug 19;105(33):11839-44. doi: 10.1073/pnas.0805065105. Epub 2008 Aug 8. PubMed PMID: 18689680; PubMed Central PMCID: PMC2504481. [68]

2007

Chung S, Pelletier D, Sdika M, Lu Y, Berman JI, Henry RG. Whole brain voxel-wise analysis of single-subject serial DTI by permutation testing. *Neuroimage*. 2008 Feb 15;39(4):1693-705. Epub 2007 Nov 7. PubMed PMID: 18082426; PubMed Central PMCID: PMC2276665. [69]

Berman JI, Chung S, Mukherjee P, Hess CP, Han ET, Henry RG. Probabilistic streamline q-ball tractography using the residual bootstrap. *Neuroimage*. 2008 Jan 1;39(1):215-22. Epub 2007 Aug 25. PubMed PMID: 17911030. [70]

Berman JI, Berger MS, Chung SW, Nagarajan SS, Henry RG. Accuracy of diffusion tensor magnetic resonance imaging tractography assessed using intraoperative subcortical stimulation mapping and magnetic source imaging. *J Neurosurg*. 2007 Sep;107(3):488-94. PubMed PMID: 17886545. [71]

Li KL, Henry RG, Wilmes LJ, Gibbs J, Zhu X, Lu Y, Hylton NM. Kinetic assessment of breast tumors using high spatial resolution signal enhancement ratio (SER) imaging. *Magn Reson Med*. 2007 Sep;58(3):572-81. PubMed PMID: 17685424; PubMed Central PMCID: PMC4508009.

[72]

Murphy JM, Henry RG, Langmore S, Kramer JH, Miller BL, Lomen-Hoerth C. Continuum of frontal lobe impairment in amyotrophic lateral sclerosis. *Arch Neurol*. 2007 Apr;64(4):530-4. PubMed PMID: 17420314. [73]

Kim DH, Henry R, Spielman DM. Fast multivoxel two-dimensional spectroscopic imaging at 3 T. *Magn Reson Imaging*. 2007 Oct;25(8):1155-61. Epub 2007 Apr 5. PubMed PMID: 17418519; PubMed Central PMCID: PMC2128753. [74]

Wilmes LJ, Pallavicini MG, Fleming LM, Gibbs J, Wang D, Li KL, Partridge SC, Henry RG, Shalinsky DR, Hu-Lowe D, Park JW, McShane TM, Lu Y, Brasch RC, Hylton NM. AG-013736, a novel inhibitor of VEGF receptor tyrosine kinases, inhibits breast cancer growth and decreases vascular permeability as detected by dynamic contrast-enhanced magnetic resonance imaging. *Magn Reson Imaging*. 2007 Apr;25(3):319-27. Epub 2007 Feb 5. PubMed PMID: 17371720. [75]

Murphy J, Henry R, Lomen-Hoerth C. Establishing subtypes of the continuum of frontal lobe impairment in amyotrophic lateral sclerosis. *Arch Neurol*. 2007 Mar;64(3):330-4. Review. PubMed PMID: 17353375. [76]

## 2006

Chung S, Lu Y, Henry RG. Comparison of bootstrap approaches for estimation of uncertainties of DTI parameters. *Neuroimage*. 2006 Nov 1;33(2):531-41. Epub 2006 Aug 28. PubMed PMID: 16938472. [77]

Catalaa I, Henry R, Dillon WP, Graves EE, McKnight TR, Lu Y, Vigneron DB, Nelson SJ. Perfusion, diffusion and spectroscopy values in newly diagnosed cerebral gliomas. *NMR Biomed*. 2006 Jun;19(4):463-75. PubMed PMID: 16763973. [78]

Partridge SC, Vigneron DB, Charlton NN, Berman JI, Henry RG, Mukherjee P, McQuillen PS, Karl TR, Barkovich AJ, Miller SP. Pyramidal tract maturation after brain injury in newborns with heart disease. *Ann Neurol*. 2006 Apr;59(4):640-51. PubMed PMID: 16450369. [78]

## 2005

Partridge SC, Mukherjee P, Berman JI, Henry RG, Miller SP, Lu Y, Glenn OA, Ferriero DM, Barkovich AJ, Vigneron DB. Tractography-based quantitation of diffusion tensor imaging parameters in white matter tracts of preterm newborns. *J Magn Reson Imaging*. 2005 Oct;22(4):467-74. PubMed PMID: 16161075. [79]

Li KL, Wilmes LJ, Henry RG, Pallavicini MG, Park JW, Hu-Lowe DD, McShane TM, Shalinsky DR, Fu YJ, Brasch RC, Hylton NM. Heterogeneity in the angiogenic response of a BT474 human breast cancer to a novel vascular endothelial growth factor-receptor tyrosine kinase inhibitor: assessment by voxel analysis of dynamic contrast-enhanced MRI. *J Magn Reson Imaging*. 2005 Oct;22(4):511-9. PubMed PMID: 16161072. [80]

Berman JI, Mukherjee P, Partridge SC, Miller SP, Ferriero DM, Barkovich AJ, Vigneron DB, Henry RG. Quantitative diffusion tensor MRI fiber tractography of sensorimotor white matter development in premature infants. *Neuroimage*. 2005 Oct 1;27(4):862-71. PubMed PMID: 15978841. [81]

Young GS, Geschwind MD, Fischbein NJ, Martindale JL, Henry RG, Liu S, Lu Y, Wong S, Liu H, Miller BL, Dillon WP. Diffusion-weighted and fluid-attenuated inversion recovery imaging in Creutzfeldt-Jakob disease: high sensitivity and specificity for diagnosis. *AJNR Am J Neuroradiol*. 2005 Jun-Jul;26(6):1551-62. PubMed PMID: 15956529. [82]

Deipolyi AR, Mukherjee P, Gill K, Henry RG, Partridge SC, Veeraraghavan S, Jin H, Lu Y, Miller SP, Ferriero DM, Vigneron DB, Barkovich AJ. Comparing microstructural and macrostructural development of the cerebral cortex in premature newborns: diffusion tensor imaging versus cortical gyration. *Neuroimage*. 2005 Sep;27(3):579-86. PubMed PMID: 15921934. [83]

Le TH, Mukherjee P, Henry RG, Berman JI, Ware M, Manley GT. Diffusion tensor imaging with three-dimensional fiber tractography of traumatic axonal shearing injury: an imaging correlate for the posterior callosal "disconnection" syndrome: case report. *Neurosurgery*. 2005;56(1):189. PubMed PMID: 15617604. [84]

## 2004

Berman JI, Berger MS, Mukherjee P, Henry RG. Diffusion-tensor imaging-guided tracking of fibers of the pyramidal tract combined with intraoperative cortical stimulation mapping in patients with gliomas. *J Neurosurg*. 2004 Jul;101(1):66-72. PubMed PMID: 15255253. [85]

Xu D, Henry RG, Mukherjee P, Carvajal L, Miller SP, Barkovich AJ, Vigneron DB. Single-shot fast spin-echo diffusion tensor imaging of the brain and spine with head and phased array coils at 1.5 T and 3.0 T. *Magn Reson Imaging*. 2004 Jul;22(6):751-9. PubMed PMID: 15234443. [86]

Pelletier D, Garrison K, Henry R. Measurement of whole-brain atrophy in multiple sclerosis. *J Neuroimaging*. 2004 Jul;14(3 Suppl):11S-19S. Review. PubMed PMID:

15228755. [87]

Partridge SC, Mukherjee P, Henry RG, Miller SP, Berman JI, Jin H, Lu Y, Glenn OA, Ferriero DM, Barkovich AJ, Vigneron DB. Diffusion tensor imaging: serial quantitation of white matter tract maturity in premature newborns. *Neuroimage*. 2004 Jul;22(3):1302-14. PubMed PMID: 15219602. [88]

Maas LC, Mukherjee P, Carballido-Gamio J, Veeraraghavan S, Miller SP, Partridge SC, Henry RG, Barkovich AJ, Vigneron DB. Early laminar organization of the human cerebrum demonstrated with diffusion tensor imaging in extremely premature infants. *Neuroimage*. 2004 Jul;22(3):1134-40. PubMed PMID: 15219585. [89]

Oh J, Henry RG, Pirzkall A, Lu Y, Li X, Catalaa I, Chang S, Dillon WP, Nelson SJ. Survival analysis in patients with glioblastoma multiforme: predictive value of choline-to-N-acetylaspartate index, apparent diffusion coefficient, and relative cerebral blood volume. *J Magn Reson Imaging*. 2004 May;19(5):546-54. PubMed PMID: 15112303. [90]

Henry RG, Berman JI, Nagarajan SS, Mukherjee P, Berger MS. Subcortical pathways serving cortical language sites: initial experience with diffusion tensor imaging fiber tracking combined with intraoperative language mapping. *Neuroimage*. 2004 Feb;21(2):616-22. PubMed PMID: 14980564; PubMed Central PMCID: PMC4060627. [91]

2003

Glenn OA, Henry RG, Berman JI, Chang PC, Miller SP, Vigneron DB, Barkovich AJ. DTI-based three-dimensional tractography detects differences in the pyramidal tracts of infants and children with congenital hemiparesis. *J Magn Reson Imaging*. 2003 Dec;18(6):641-8. PubMed PMID: 14635148. [92]

Henry RG, Oh J, Nelson SJ, Pelletier D. Directional diffusion in relapsing-remitting multiple sclerosis: a possible in vivo signature of Wallerian degeneration. *J Magn Reson Imaging*. 2003 Oct;18(4):420-6. PubMed PMID: 14508778. [93]

Martindale J, Geschwind MD, De Armond S, Young G, Dillon WP, Henry R, Uyehara-Lock JH, Gaskin DA, Miller BL. Sporadic Creutzfeldt-Jakob disease mimicking variant Creutzfeldt-Jakob disease. *Arch Neurol*. 2003 May;60(5):767-70. PubMed PMID: 12756143. [94]

Nelson SJ, McKnight TR, Henry RG. Characterization of untreated gliomas by magnetic resonance spectroscopic imaging. *Neuroimaging Clin N Am*. 2002 Nov;12(4):599-613. Review. PubMed PMID: 12687914. [94]

**Noworolski SM, Fischbein NJ, Kaplan MJ, Lu Y, Nelson SJ, Carvajal L, Henry RG. Challenges in dynamic contrast-enhanced MRI imaging of cervical lymph nodes to detect metastatic disease. J Magn Reson Imaging. 2003 Apr;17(4):455-62. PubMed PMID: 12655585. [95]**

**Fischbein NJ, Noworolski SM, Henry RG, Kaplan MJ, Dillon WP, Nelson SJ. Assessment of metastatic cervical adenopathy using dynamic contrast-enhanced MR imaging. AJNR Am J Neuroradiol. 2003 Mar;24(3):301-11. PubMed PMID: 12637272. [96]**

**Srinivasan R, Henry R, Pelletier D, Nelson S. Standardized, reproducible, high resolution global measurements of T1 relaxation metrics in cases of multiple sclerosis. AJNR Am J Neuroradiol. 2003 Jan;24(1):58-67. PubMed PMID: 12533328. [97]**

**2002**

**Miller SP, Vigneron DB, Henry RG, Bohland MA, Ceppi-Cozzio C, Hoffman C, Newton N, Partridge JC, Ferriero DM, Barkovich AJ. Serial quantitative diffusion tensor MRI of the premature brain: development in newborns with and without injury. J Magn Reson Imaging. 2002 Dec;16(6):621-32. PubMed PMID: 12451575. [98]**

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[53] <http://www.ncbi.nlm.nih.gov/pubmed/25087920>  
[54] <http://www.jneurosci.org/content/34/29/9754.short>  
[55] <http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0100274>  
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[74] <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2128753/>  
[75] <http://www.ncbi.nlm.nih.gov/pubmed/17371720>

- [76] <http://www.ncbi.nlm.nih.gov/pubmed/17353375>
- [77] <http://www.ncbi.nlm.nih.gov/pubmed/16938472>
- [78] <http://www.ncbi.nlm.nih.gov/pubmed/16763973>
- [79] [https://www.researchgate.net/publication/227502764\\_Tractography-based\\_quantitation\\_of\\_diffusion\\_tensor\\_imaging\\_parameters\\_in\\_white\\_matter\\_tracts\\_of\\_preterm\\_newborns](https://www.researchgate.net/publication/227502764_Tractography-based_quantitation_of_diffusion_tensor_imaging_parameters_in_white_matter_tracts_of_preterm_newborns)
- [80] <http://www.ncbi.nlm.nih.gov/pubmed/16161072>
- [81] <http://www.ncbi.nlm.nih.gov/pubmed/15978841>
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