



## Kristen Yeom

Professor of Radiology (Pediatric Radiology) and, by courtesy, of Neurosurgery  
Radiology - Pediatric Radiology

### CLINICAL OFFICES

- **LPCH Pediatric Radiology**

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### Bio

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### CLINICAL FOCUS

- Pediatric Neuroradiology
- Diagnostic Radiology

### ACADEMIC APPOINTMENTS

- Professor - University Medical Line, Radiology - Pediatric Radiology
- Professor - University Medical Line (By courtesy), Neurosurgery
- Member, Bio-X
- Member, Maternal & Child Health Research Institute (MCHRI)
- Member, Wu Tsai Neurosciences Institute

### BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member, International Society for Magnetic Resonance in Medicine (2014 - present)
- Member, American Society of Pediatric Neuroradiology (2010 - present)
- Senior Member, American Society of Neuroradiology (2010 - present)
- Member, American Society of Functional Neuroradiology (2009 - present)
- Member, Radiological Society North America (2002 - present)

### PROFESSIONAL EDUCATION

- Medical Education: University of Michigan GME Training Verifications (2001) MI
- Internship: Oakwood Healthcare System (2002) MI
- Residency: UCLA Medical Center Radiology Fellowship (2006) CA
- Fellowship, Stanford University Neuroradiology, CA (2008)
- Board Certification: Diagnostic Radiology, American Board of Radiology (2006)

- Board Certification: Neuroradiology, American Board of Radiology (2008)

## Research & Scholarship

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### CLINICAL TRIALS

- GD2 CAR T Cells in Diffuse Intrinsic Pontine Gliomas(DIPG) & Spinal Diffuse Midline Glioma(DMG), Recruiting
- In Vivo Characterization of Macrophages in Pediatric Patients With Malignant Brain Tumors Using Ferumoxytol-enhanced MRI, Recruiting

### PROJECTS

- Advanced MRI for Neuroimaging - Stanford University (7/21/2008 - present)
- Machine Learning Applications for Brain Tumor - Stanford University (1/1/2015 - present)
- Iron Oxide Nano-particle for Brain Tumor Inflammation - Stanford University (1/1/2015 - present)
- Deep Learning for Neural Development and Neurological Diseases - Stanford University (8/15/2017 - present)
- Neuroimaging Translations for Neurosurgical Applications - Stanford University (1/1/2013 - present)

## Teaching

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### STANFORD ADVISEES

#### Med Scholar Project Advisor

Peter Moon, Yi Zhang, Jimmy Zheng

#### Postdoctoral Faculty Sponsor

Edward Lee

## Publications

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### PUBLICATIONS

- **MRI Radiogenomics of Pediatric Medulloblastoma: A Multicenter Study.** *Radiology*  
Zhang, M., Wong, S. W., Wright, J. N., Wagner, M. W., Toescu, S., Han, M., Tam, L. T., Zhou, Q., Ahmadian, S. S., Shpanskaya, K., Lummus, S., Lai, H., Eghbal, et al  
2022: 212137
- **Radiology artificial intelligence: a systematic review and evaluation of methods (RAISE).** *European radiology*  
Kelly, B. S., Judge, C., Bollard, S. M., Clifford, S. M., Healy, G. M., Aziz, A., Mathur, P., Islam, S., Yeom, K. W., Lawlor, A., Killeen, R. P.  
2022
- **MR Imaging of Pediatric Brain Tumors.** *Diagnostics (Basel, Switzerland)*  
Jaju, A., Yeom, K. W., Ryan, M. E.  
2022; 12 (4)
- **Spatiotemporal changes in along-tract profilometry of cerebellar peduncles in cerebellar mutism syndrome.** *NeuroImage. Clinical*  
Toescu, S. M., Bruckert, L., Jabarkheel, R., Yecies, D., Zhang, M., Clark, C. A., Mankad, K., Aquilina, K., Grant, G. A., Feldman, H. M., Travis, K. E., Yeom, K. W.  
2022: 103000
- **GD2-CAR T cell therapy for H3K27M-mutated diffuse midline gliomas.** *Nature*  
Majzner, R. G., Ramakrishna, S., Yeom, K. W., Patel, S., Chinnsamy, H., Schultz, L. M., Richards, R. M., Jiang, L., Barsan, V., Mancusi, R., Geraghty, A. C., Good, Z., Mochizuki, et al  
2022
- **Attention-guided deep learning for gestational age prediction using fetal brain MRI.** *Scientific reports*  
Shen, L., Zheng, J., Lee, E. H., Shpanskaya, K., McKenna, E. S., Atluri, M. G., Plasto, D., Mitchell, C., Lai, L. M., Guimaraes, C. V., Dahmouh, H., Chueh, J., Halabi, et al

1800; 12 (1): 1408

- **Improved prediction of postoperative pediatric cerebellar mutism syndrome using an artificial neural network.** *Neuro-oncology advances*  
Sidpra, J., Marcus, A. P., Lobel, U., Toescu, S. M., Yecies, D., Grant, G., Yeom, K., Mirsky, D. M., Marcus, H. J., Aquilina, K., Mankad, K.  
2022; 4 (1): vdac003
- **MRI Correlates of Ototoxicity in the Auditory Pathway in Children Treated for Medulloblastoma.** *Otology & neurotology : official publication of the American Otological Society, American Neurotology Society [and] European Academy of Otology and Neurotology*  
Moon, P., Theruvath, J., Chang, J., Song, Y., Shpanskaya, K., Maleki, M., Cheng, A. G., Ahmad, I. N., Yeom, K. W.  
2021
- **Clinical Artificial Intelligence Applications in Radiology: Neuro.** *Radiologic clinics of North America*  
Kitamura, F. C., Pan, I., Ferracioli, S. F., Yeom, K. W., Abdala, N.  
2021; 59 (6): 1003-1012
- **Machine Learning Approach to Differentiation of Peripheral Schwannomas and Neurofibromas: A Multi-Center Study.** *Neuro-oncology*  
Zhang, M., Tong, E., Wong, S., Hamrick, F., Mohammadzadeh, M., Rao, V., Pendleton, C., Smith, B. W., Hug, N. F., Biswal, S., Seekins, J., Napel, S., Spinner, et al  
2021
- **Age-dependent Intracranial Artery Morphology in Healthy Children.** *Clinical neuroradiology*  
Quon, J. L., Mouches, P., Kim, L. H., Jabarkheel, R., Zhang, Y., Steinberg, G. K., Grant, G. A., Edwards, M. S., Yeom, K. W., Forkert, N. D.  
2021
- **Machine Assist for Pediatric Posterior Fossa Tumor Diagnosis: A Multinational Study.** *Neurosurgery*  
Zhang, M., Wong, S. W., Wright, J. N., Toescu, S., Mohammadzadeh, M., Han, M., Lummus, S., Wagner, M. W., Yecies, D., Lai, H., Eghbal, A., Radmanesh, A., Nemelka, et al  
2021
- **Radiomic Phenotypes Distinguish Atypical Teratoid/Rhabdoid Tumors from Medulloblastoma.** *AJNR. American journal of neuroradiology*  
Zhang, M., Wong, S. W., Lummus, S., Han, M., Radmanesh, A., Ahmadian, S. S., Prolo, L. M., Lai, H., Eghbal, A., Oztekin, O., Cheshier, S. H., Fisher, P. G., Ho, et al  
2021
- **Listening to Mom in the NICU: effects of increased maternal speech exposure on language outcomes and white matter development in infants born very preterm.** *Trials*  
Brignoni-Perez, E., Morales, M. C., Marchman, V. A., Scala, M., Feldman, H. M., Yeom, K., Travis, K. E.  
2021; 22 (1): 444
- **Machine-Learning Approach to Differentiation of Benign and Malignant Peripheral Nerve Sheath Tumors: A Multicenter Study.** *Neurosurgery*  
Zhang, M., Tong, E., Hamrick, F., Lee, E. H., Tam, L. T., Pendleton, C., Smith, B. W., Hug, N. F., Biswal, S., Seekins, J., Mattonen, S. A., Napel, S., Campen, et al  
2021
- **Integrating neuroimaging biomarkers into the multicentre, high-dose erythropoietin for asphyxia and encephalopathy (HEAL) trial: rationale, protocol and harmonisation.** *BMJ open*  
Wisnowski, J. L., Bluml, S., Panigrahy, A., Mathur, A. M., Berman, J., Chen, P. K., Dix, J., Flynn, T., Fricke, S., Friedman, S. D., Head, H. W., Ho, C. Y., Kline-Fath, et al  
2021; 11 (4): e043852
- **Multi-classifier-based identification of COVID-19 from chest computed tomography using generalizable and interpretable radiomics features.** *European journal of radiology*  
Wang, L. n., Kelly, B. n., Lee, E. H., Wang, H. n., Zheng, J. n., Zhang, W. n., Halabi, S. n., Liu, J. n., Tian, Y. n., Han, B. n., Huang, C. n., Yeom, K. W., Deng, et al  
2021; 136: 109552
- **Effects of Age on White Matter Microstructure in Children With Neurofibromatosis Type 1.** *Journal of child neurology*  
Tam, L. T., Ng, N. N., McKenna, E. S., Bruckert, L., Yeom, K. W., Campen, C. J.  
2021: 8830738211008736
- **Acetazolamide-Challenged Arterial Spin Labeling Detects Augmented Cerebrovascular Reserve After Surgery for Moyamoya** *Stroke*  
Rao, V. L., et al

2021

- **DEEP SEQUENTIAL LEARNING FOR CERVICAL SPINE FRACTURE DETECTION ON COMPUTED TOMOGRAPHY IMAGING**  
Salehinejad, H., Ho, E., Lin, H., Crivellaro, P., Samorodova, O., Arciniegas, M., Merali, Z., Suthiphosuwat, S., Bharatha, A., Yeom, K., Mamdani, M., Wilson, J., Colak, et al  
IEEE.2021: 1911-1914
- **Radiomic Signatures of Posterior Fossa Ependymoma: Molecular Subgroups and Risk Profiles.** *Neuro-oncology*  
Zhang, M., Wang, E., Yecies, D., Tam, L. T., Han, M., Toescu, S., Wright, J. N., Altinmakas, E., Chen, E., Radmanesh, A., Nemejka, J., Oztekin, O., Wagner, et al  
2021
- **MRI-based radiomics for prognosis of pediatric diffuse intrinsic pontine glioma: an international study.** *Neuro-oncology advances*  
Tam, L. T., Yeom, K. W., Wright, J. N., Jaju, A., Radmanesh, A., Han, M., Toescu, S., Maleki, M., Chen, E., Champion, A., Lai, H. A., Eghbal, A. A., Oztekin, et al  
2021; 3 (1): vdab042
- **Deep COVID DeteCT: an international experience on COVID-19 lung detection and prognosis using chest CT.** *NPJ digital medicine*  
Lee, E. H., Zheng, J. n., Colak, E. n., Mohammadzadeh, M. n., Houshmand, G. n., Bevins, N. n., Kitamura, F. n., Altinmakas, E. n., Reis, E. P., Kim, J. K., Klochko, C. n., Han, M. n., Moradian, et al  
2021; 4 (1): 11
- **Radiology artificial intelligence, a systematic evaluation of methods (RAISE): a systematic review protocol.** *Insights into imaging*  
Kelly, B., Judge, C., Bollard, S. M., Clifford, S. M., Healy, G. M., Yeom, K. W., Lawlor, A., Killeen, R. P.  
2020; 11 (1): 133
- **Decoding and Systematization of Medical Imaging Features of Multiple Human Malignancies.** *Radiology. Imaging cancer*  
Wang, L., Liu, Z., Xie, J., Chen, Y., Zhao, X., You, Z., Yang, M., Qian, W., Tian, J., Yeom, K., Song, J.  
2020; 2 (5): e190079
- **End-to-end automatic differentiation of the coronavirus disease 2019 (COVID-19) from viral pneumonia based on chest CT.** *European journal of nuclear medicine and molecular imaging*  
Song, J., Wang, H., Liu, Y., Wu, W., Dai, G., Wu, Z., Zhu, P., Zhang, W., Yeom, K. W., Deng, K.  
2020
- **Neonatal Brain Microstructure and Machine-Learning-Based Prediction of Early Language Development in Children Born VeryPreterm.** *Pediatric neurology*  
Vassar, R., Schadl, K., Cahill-Rowley, K., Yeom, K., Stevenson, D., Rose, J.  
2020
- **Neonatal genetic epilepsies display convergent white matter microstructural abnormalities.** *Epilepsia*  
Sandoval Karamian, A. G., Wusthoff, C. J., Boothroyd, D. n., Yeom, K. W., Knowles, J. K.  
2020
- **Cerebral volume and diffusion MRI changes in children with sensorineural hearing loss.** *NeuroImage: Clinical*  
Moon, P. K., Qian, J. Z., McKenna, E., Xi, K., Rowe, N. C., Ng, N. N., Zheng, J., Tam, L. T., MacEachern, S. J., Ahmad, I., Cheng, A. G., Forkert, N. D., Yeom, et al  
2020; 27: 102328
- **Association of pediatric acute-onset neuropsychiatric syndrome with microstructural differences in brain regions detected via diffusion-weighted magnetic resonance imaging.** *JAMA Network Open*  
Zheng, J., Frankovich, J., McKenna, E. S., Rowe, N. C., MacEachern, S. J., Ng, N. N., Tam, L. T., Moon, P. K., Gao, J., Thienemann, M., Forkert, N. D., Yeom, K. W.  
2020; 3 (5): e204063
- **Congenital Hearing Loss Is Associated With a High Incidence of Central Nervous System Abnormalities.** *Otology & neurotology : official publication of the American Otological Society, American Neurotology Society [and] European Academy of Otology and Neurotology*  
Sayyid, Z. N., Boldt, B. n., Mokhtari, T. E., Schoppy, K. n., Yeom, K. W., Cheng, A. G.  
2020
- **Brain Iron Assessment after Ferumoxytol-enhanced MRI in Children and Young Adults with Arteriovenous Malformations: A Case-Control Study.** *Radiology*  
Iv, M. n., Ng, N. N., Nair, S. n., Zhang, Y. n., Lavezo, J. n., Cheshier, S. H., Holdsworth, S. J., Moseley, M. E., Rosenberg, J. n., Grant, G. A., Yeom, K. W.

2020; 200378

- **Development and Validation of a Machine Learning Model to Explore Tyrosine Kinase Inhibitor Response in Patients With Stage IV EGFR Variant-Positive Non-Small Cell Lung Cancer.** *JAMA network open*  
Song, J. n., Wang, L. n., Ng, N. N., Zhao, M. n., Shi, J. n., Wu, N. n., Li, W. n., Liu, Z. n., Yeom, K. W., Tian, J. n.  
2020; 3 (12): e2030442
- **Simultaneous time of flight-MRA and T2\* imaging for cerebrovascular MRI.** *Neuroradiology*  
Lanzman, B. A., Huang, Y. n., Lee, E. H., Iv, M. n., Moseley, M. E., Holdsworth, S. J., Yeom, K. W.  
2020
- **Association of Pediatric Acute-Onset Neuropsychiatric Syndrome With Microstructural Differences in Brain Regions Detected via Diffusion-Weighted Magnetic Resonance Imaging.** *JAMA network open*  
Zheng, J. n., Frankovich, J. n., McKenna, E. S., Rowe, N. C., MacEachern, S. J., Ng, N. N., Tam, L. T., Moon, P. K., Gao, J. n., Thienemann, M. n., Forkert, N. D., Yeom, K. W.  
2020; 3 (5): e204063
- **Deep Learning for Automated Delineation of Pediatric Cerebral Arteries on Pre-operative Brain Magnetic Resonance Imaging** *Frontiers in Surgery*  
Quon, J. L., et al  
2020; 7
- **Response assessment in paediatric low-grade glioma: recommendations from the Response Assessment in Pediatric Neuro-Oncology (RAPNO) working group.** *The Lancet. Oncology*  
Fangusaro, J. n., Witt, O. n., Hernáiz Driever, P. n., Bag, A. K., de Blank, P. n., Kadom, N. n., Kilburn, L. n., Lober, R. M., Robison, N. J., Fisher, M. J., Packer, R. J., Young Poussaint, T. n., Papusha, et al  
2020; 21 (6): e305–e316
- **Utilization of Novel High-Resolution, MRI-Based Vascular Imaging Modality for Preoperative Stereoelectroencephalography Planning in Children: A Technical Note.** *Stereotactic and functional neurosurgery*  
Feng, A. Y., Ho, A. L., Kim, L. H., Sussman, E. S., Pendharkar, A. V., Iv, M. n., Yeom, K. W., Halpern, C. H., Grant, G. A.  
2020: 1–7
- **Cerebral volume and diffusion MRI changes in children with sensorineural hearing loss.** *NeuroImage. Clinical*  
Moon, P. K., Qian, J. Z., McKenna, E. n., Xi, K. n., Rowe, N. C., Ng, N. N., Zheng, J. n., Tam, L. T., MacEachern, S. J., Ahmad, I. n., Cheng, A. G., Forkert, N. D., Yeom, et al  
2020; 27: 102328
- **Artificial intelligence for automatic cerebral ventricle segmentation and volume calculation: a clinical tool for the evaluation of pediatric hydrocephalus.** *Journal of neurosurgery. Pediatrics*  
Quon, J. L., Han, M. n., Kim, L. H., Koran, M. E., Chen, L. C., Lee, E. H., Wright, J. n., Ramaswamy, V. n., Lober, R. M., Taylor, M. D., Grant, G. A., Cheshier, S. H., Kestle, et al  
2020: 1–8
- **Artificial intelligence in stroke imaging: Current and future perspectives.** *Clinical imaging*  
Yedavalli, V. S., Tong, E. n., Martin, D. n., Yeom, K. W., Forkert, N. D.  
2020; 69: 246–54
- **Variable Refocusing Flip Angle Single-Shot Imaging for Sedation-Free Fast Brain MRI.** *AJNR. American journal of neuroradiology*  
Jabarkheel, R. n., Tong, E. n., Lee, E. H., Cullen, T. M., Yousaf, U. n., Loening, A. M., Taviani, V. n., Iv, M. n., Grant, G. A., Holdsworth, S. J., Vasawala, S. S., Yeom, K. W.  
2020
- **Deep Learning for Pediatric Posterior Fossa Tumor Detection and Classification: A Multi-Institutional Study.** *AJNR. American journal of neuroradiology*  
Quon, J. L., Bala, W. n., Chen, L. C., Wright, J. n., Kim, L. H., Han, M. n., Shpanskaya, K. n., Lee, E. H., Tong, E. n., Iv, M. n., Seekins, J. n., Lungren, M. P., Braun, et al  
2020
- **Decoding COVID-19 pneumonia: comparison of deep learning and radiomics CT image signatures.** *European journal of nuclear medicine and molecular imaging*  
Wang, H. n., Wang, L. n., Lee, E. H., Zheng, J. n., Zhang, W. n., Halabi, S. n., Liu, C. n., Deng, K. n., Song, J. n., Yeom, K. W.  
2020

- **A Review of Chronic Leukoencephalopathy among Survivors of Childhood Cancer** *PEDIATRIC NEUROLOGY*  
Partap, S., Russo, S., Esfahani, B., Yeom, K., Mazewski, C., Embry, L., Wheeler, G., Ullrich, N. J., Bowers, D. C.  
2019; 101: 2–10
- **Diffusion tensor magnetic resonance imaging of the optic nerves in pediatric hydrocephalus.** *Neurosurgical focus*  
Shpanskaya, K., Quon, J. L., Lober, R. M., Nair, S., Johnson, E., Cheshier, S. H., Edwards, M. S., Grant, G. A., Yeom, K. W.  
2019; 47 (6): E16
- **Prediction of Gait Impairment in Toddlers Born Preterm From Near-Term Brain Microstructure Assessed With DTI, Using Exhaustive Feature Selection and Cross-Validation.** *Frontiers in human neuroscience*  
Cahill-Rowley, K., Schadl, K., Vassar, R., Yeom, K. W., Stevenson, D. K., Rose, J.  
2019; 13: 305
- **Deep-Learning for Automated Classification of Inferior Vena Cava Filter Types on Radiographs.** *Journal of vascular and interventional radiology : JVIR*  
Ni, J. C., Shpanskaya, K., Han, M., Lee, E. H., Do, B. H., Kuo, W. T., Yeom, K. W., Wang, D. S.  
2019
- **Prediction of Gait Impairment in Toddlers Born Preterm From Near-Term Brain Microstructure Assessed With DTI, Using Exhaustive Feature Selection and Cross-Validation** *FRONTIERS IN HUMAN NEUROSCIENCE*  
Cahill-Rowley, K., Schadl, K., Vassar, R., Yeom, K. W., Stevenson, D. K., Rose, J.  
2019; 13
- **Molecular correlates of cerebellar mutism syndrome in medulloblastoma.** *Neuro-oncology*  
Jabarkheel, R., Amayiri, N., Yecies, D., Huang, Y., Toescu, S., Nobre, L., Mabbott, D. J., Sudhakar, S. V., Malik, P., Laughlin, S., Swaidan, M., Al Hussaini, M., Musharbash, et al  
2019
- **Posterior fossa syndrome and increased mean diffusivity in the olivary bodies.** *Journal of neurosurgery. Pediatrics*  
Yecies, D., Jabarkheel, R., Han, M., Kim, Y., Bruckert, L., Shpanskaya, K., Perez, A., Edwards, M. S., Grant, G. A., Yeom, K. W.  
2019: 1–6
- **Reduced field of view echo-planar imaging diffusion tensor MRI for pediatric spinal tumors.** *Journal of neurosurgery. Spine*  
Kim, L. H., Lee, E. H., Galvez, M., Aksoy, M., Skare, S., O'Halloran, R., Edwards, M. S., Holdsworth, S. J., Yeom, K. W.  
2019: 1–9
- **Early Diffusion Magnetic Resonance Imaging Changes in Normal-Appearing Brain in Pediatric Moyamoya Disease.** *Neurosurgery*  
Quon, J. L., Kim, L. H., MacEachern, S. J., Maleki, M., Steinberg, G. K., Madhugiri, V., Edwards, M. S., Grant, G. A., Yeom, K. W., Forkert, N. D.  
2019
- **Age-Dependent White Matter Characteristics of the Cerebellar Peduncles from Infancy Through Adolescence** *CEREBELLUM*  
Bruckert, L., Shpanskaya, K., McKenna, E. S., Borchers, L. R., Yablonski, M., Blecher, T., Ben-Shachar, M., Travis, K. E., Feldman, H. M., Yeom, K. W.  
2019; 18 (3): 372–87
- **Arterial spin-labeling cerebral perfusion changes after revascularization surgery in pediatric moyamoya disease and syndrome** *JOURNAL OF NEUROSURGERY-PEDIATRICS*  
Quon, J. L., Kim, L. H., Lober, R. M., Maleki, M., Steinberg, G. K., Yeom, K. W.  
2019; 23 (4): 486–92
- **Long-Term Supratentorial Radiologic Effects of Surgery and Local Radiation in Children with Infratentorial Ependymoma** *WORLD NEUROSURGERY*  
Yecies, D., Azad, T. D., Esparza, R., Quon, J. L., Forkert, N. D., MacEachern, S. J., Bruckert, L., Maleki, M., Edwards, M. B., Grant, G. A., Yeom, K. W.  
2019; 122: E1300–E1304
- **Children with epilepsy demonstrate macro- and microstructural changes in the thalamus, putamen, and amygdala.** *Neuroradiology*  
MacEachern, S. J., Santoro, J. D., Hahn, K. J., Medress, Z. A., Stecher, X. n., Li, M. D., Hahn, J. S., Yeom, K. W., Forkert, N. D.  
2019
- **Altered cerebral perfusion in children with Langerhans cell histiocytosis after chemotherapy.** *Pediatric blood & cancer*  
Han, M. n., Kim, L. H., Shpanskaya, K. n., Kim, C. n., Iv, M. n., Jeng, M. n., Yeom, K. W.  
2019: e28104

- **Quantification of Macrophages in High-Grade Gliomas by Using Ferumoxytol-enhanced MRI: A Pilot Study** *RADIOLOGY*  
Iv, M., Samghabadi, P., Holdsworth, S., Gentles, A., Rezaii, P., Harsh, G., Li, G., Thomas, R., Moseley, M., Daldrup-Link, H. E., Vogel, H., Wintermark, M., Cheshier, et al  
2019; 290 (1): 198–206
- **Statistical multiscale mapping of IDH1, MGMT, and microvascular proliferation in human brain tumors from multiparametric MR and spatially-registered core biopsy.** *Scientific reports*  
Parker, J. G., Diller, E. E., Cao, S. n., Nelson, J. T., Yeom, K. n., Ho, C. n., Lober, R. n.  
2019; 9 (1): 17112
- **Arterial spin-labeling cerebral perfusion changes after revascularization surgery in pediatric moyamoya disease and syndrome.** *Journal of neurosurgery. Pediatrics*  
Quon, J. L., Kim, L. H., Lober, R. M., Maleki, M. n., Steinberg, G. K., Yeom, K. W.  
2019: 1–7
- **Deep Learning-Assisted Diagnosis of Cerebral Aneurysms Using the HeadXNet Model.** *JAMA network open*  
Park, A. n., Chute, C. n., Rajpurkar, P. n., Lou, J. n., Ball, R. L., Shpanskaya, K. n., Jabarkheel, R. n., Kim, L. H., McKenna, E. n., Tseng, J. n., Ni, J. n., Wishah, F. n., Wittber, et al  
2019; 2 (6): e195600
- **Stereotactic laser ablation for completion corpus callosotomy.** *Journal of neurosurgery. Pediatrics*  
Huang, Y. n., Yecies, D. n., Bruckert, L. n., Parker, J. J., Ho, A. L., Kim, L. H., Fornoff, L. n., Wintermark, M. n., Porter, B. n., Yeom, K. W., Halpern, C. H., Grant, G. A.  
2019: 1–9
- **Learning-based single-step quantitative susceptibility mapping reconstruction without brain extraction.** *NeuroImage*  
Wei, H. n., Cao, S. n., Zhang, Y. n., Guan, X. n., Yan, F. n., Yeom, K. W., Liu, C. n.  
2019: 116064
- **Ferumoxytol-enhanced MRI for surveillance of pediatric cerebral arteriovenous malformations.** *Journal of neurosurgery. Pediatrics*  
Huang, Y. n., Singer, T. G., Iv, M. n., Lanzman, B. n., Nair, S. n., Stadler, J. A., Wang, J. n., Edwards, M. S., Grant, G. A., Cheshier, S. H., Yeom, K. W.  
2019: 1–8
- **Arterial spin labeling perfusion changes of the frontal lobes in children with posterior fossa syndrome.** *Journal of neurosurgery. Pediatrics*  
Yecies, D. n., Shpanskaya, K. n., Jabarkheel, R. n., Maleki, M. n., Bruckert, L. n., Cheshier, S. H., Hong, D. n., Edwards, M. S., Grant, G. A., Yeom, K. W.  
2019: 1–7
- **A Review of Chronic Leukoencephalopathy among Survivors of Childhood Cancer.** *Pediatric neurology*  
Partap, S. n., Russo, S. n., Eshfahani, B. n., Yeom, K. n., Mazewski, C. n., Embry, L. n., Wheeler, G. n., Ullrich, N. J., Bowers, D. C.  
2019
- **Revealing sub-voxel motions of brain tissue using phase-based amplified MRI (aMRI)** *MAGNETIC RESONANCE IN MEDICINE*  
Terem, I., Ni, W. W., Goubran, M., Rahimi, M., Zaharchuk, G., Yeom, K. W., Moseley, M. E., Kurt, M., Holdsworth, S. J.  
2018; 80 (6): 2549–59
- **Prediction of cognitive and motor development in preterm children using exhaustive feature selection and cross-validation of near-term white matter microstructure.** *NeuroImage. Clinical*  
Schadl, K., Vassar, R., Cahill-Rowley, K., Yeom, K. W., Stevenson, D. K., Rose, J.  
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