

Stanford



Jennifer Lauren Quon

- Affiliate, Dean's Office Operations - Dean Other
- Resident in Neurosurgery

CONTACT INFORMATION

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Bio

BIO

Jennifer was born and raised in New York and received her undergraduate degree in neuroscience from New York University. Her interest in the neurosciences continued as she completed medical school at Yale School of Medicine. During medical school she spent a year as a Howard Hughes Medical Institute research fellow working on an induced pluripotent stem cell model for congenital brain malformations. Jennifer has a particular interest in improving the quality and effectiveness of patient care, especially for pediatric neurosurgical patients. Under Dr. Kristen Yeom's group at Stanford, Jennifer is using machine learning to develop automated intraoperative navigation and to improve patient outcomes. Outside of neurosurgery, Jennifer enjoys traveling, trying new food, and spending time with friends and family.

PROFESSIONAL EDUCATION

- M.H.S., Yale School of Medicine , Health Sciences (2015)
- M.D., Yale School of Medicine (2015)
- B.S., New York University , Neural Science (Honors) (2010)

Publications

PUBLICATIONS

- **Commentary: Molecular Diagnosis of Craniosynostosis Using Targeted Next-Generation Sequencing.** *Neurosurgery*
Quon, J. L., Grant, G. A.
2019
- **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.
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- **Commentary: Characteristics and Long-Term Outcome of 20 Children With Intramedullary Spinal Cord Cavernous Malformations.** *Neurosurgery*
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2019
- **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

- **One Hundred Years of Innovation: Automatic Detection of Brain Ventricular Volume using Deep Learning in a Large-Scale Multi-Institutional Study**
Han, M., Quon, J., Kim, L., Shpanskaya, K., Lee, E., Kestle, J., Lober, R., Taylor, M., Ramaswamy, V., Edwards, M., Yeom, K.
LIPPINCOTT WILLIAMS & WILKINS.2019
- **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.
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- **Commentary: Limited Dorsal Myeloschisis: Reconsideration of its Embryological Origin.** *Neurosurgery*
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- **Transnasal endoscopic approach for pediatric skull base lesions: a case series.** *Journal of neurosurgery. Pediatrics*
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- **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: 1–7
- **Commentary: Optimizing Postoperative Surveillance of Pediatric Low-Grade Glioma Using Tumor Behavior Patterns.** *Neurosurgery*
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2019
- **Traumatic brain injury among female veterans: a review of sex differences in military neurosurgery** *NEUROSURGICAL FOCUS*
Kim, L. H., Quon, J. L., Sun, F. W., Wortman, K. M., Adamson, M. M., Harris, O. A.
2018; 45 (6): E16
- **Long-term Supratentorial Radiological Effects of Surgery and Local Radiation in Children with Infratentorial Ependymoma.** *World neurosurgery*
Yecies, D., Azad, T. D., Esparza, R., Quon, J., Forkert, N., MacEachern, S. J., Bruckert, L., Maleki, M., Edwards, M., Grant, G., Yeom, K.
2018
- **Rapid-sequence brain magnetic resonance imaging for Chiari I abnormality** *JOURNAL OF NEUROSURGERY-PEDIATRICS*
Pan, J., Quon, J. L., Johnson, E., Lanzman, B., Chukus, A., Ho, A. L., Edwards, M. B., Grant, G. A., Yeom, K. W.
2018; 22 (2): 158–64
- **Conus Medullaris Dural Arteriovenous Fistula Arising From the Artery of the Filum Terminale: 2-Dimensional Operative Video.** *Operative neurosurgery (Hagerstown, Md.)*
Lamsam, L., Quon, J., Fischbein, N., Iv, M., Dodd, R., Ratliff, J.
2018
- **Quality of Care and Outcomes in Pediatric Neurosurgery: Incorporating Evidence-Based Practice** *QUALITY AND SAFETY IN NEUROSURGERY*
Quon, J. L., Grant, G. A., Guillaume, D. J., Hunt, M. A.
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- **Outcomes After Endoscopic Endonasal Resection of Craniopharyngiomas in the Pediatric Population** *WORLD NEUROSURGERY*
Patel, V. S., Thamboo, A., Quon, J., Nayak, J. V., Hwang, P. H., Edwards, M., Patel, Z. M.
2017; 108: 6–14
- **Disruptions in asymmetric centrosome inheritance and WDR62-Aurora kinase B interactions in primary microcephaly** *SCIENTIFIC REPORTS*
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- **Outcomes After Endoscopic Endonasal Resection of Craniopharyngiomas in the Pediatric Population.** *World neurosurgery*
Patel, V. S., Thamboo, A., Quon, J., Nayak, J. V., Hwang, P. H., Edwards, M., Patel, Z. M.
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- **A patient with a novel homozygous missense mutation in FTO and concomitant nonsense mutation in CETP** *JOURNAL OF HUMAN GENETICS*
Caglayan, A. O., Tuysuz, B., Coskun, S., Quon, J., Harmanci, A. S., Baranoski, J. F., Baran, B., Erson-Omay, E. Z., Henegariu, O., Mane, S. M., Bilguvar, K., Yasuno, K., Gunel, et al
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- **A rare case of congenital fibrosis of extraocular muscle type 1A due to KIF21A mutation with Marcus Gunn jaw-winking phenomenon.** *European journal of paediatric neurology*
Kaçar Bayram, A., Per, H., Quon, J., Canpolat, M., Ülgen, E., Dogan, H., Gumus, H., Kumandas, S., Bayram, N., Bilguvar, K., Çağlayan, A. O.
2015; 19 (6): 743-746
- **Multimodal evaluation of CSF dynamics following extradural decompression for Chiari malformation Type I** *JOURNAL OF NEUROSURGERY-SPINE*
Quon, J. L., Grant, R. A., DiLuna, M. L.
2015; 22 (6): 622-630
- **Management of Acute Traumatic Spinal Cord Injury** *CURRENT TREATMENT OPTIONS IN NEUROLOGY*
Grant, R. A., Quon, J. L., Abbed, K. M.
2015; 17 (2)
- **Oversized self-expanding stents as an alternative to flow-diverters for blister-like aneurysms** *NEUROLOGICAL RESEARCH*
Grant, R. A., Quon, J. L., Bulsara, K. R.
2014; 36 (4): 351-355
- **Thoracic epidural teratoma: case report and review of the literature.** *Clinical medicine insights. Pathology*
Quon, J. L., Grant, R. A., Huttner, A. J., Duncan, C. C.
2014; 7: 15-20
- **Hypoxia-inducible factor 1a is a Tsc1-regulated survival factor in newborn neurons in tuberous sclerosis complex** *HUMAN MOLECULAR GENETICS*
Feliciano, D. M., Zhang, S., Quon, J. L., Bordey, A.
2013; 22 (9): 1725-1734
- **The relation between age and androgen deprivation therapy use among men in the Medicare population receiving radiation therapy for prostate cancer.** *Journal of geriatric oncology*
Quon, J. L., Yu, J. B., Soulos, P. R., Gross, C. P.
2013; 4 (1): 9-18
- **Postnatal neurogenesis generates heterotopias, olfactory micronodules and cortical infiltration following single-cell Tsc1 deletion** *HUMAN MOLECULAR GENETICS*
Feliciano, D. M., Quon, J. L., Su, T., Taylor, M. M., Bordey, A.
2012; 21 (4): 799-810