



Jinendra Ekanayake

Clinical Instructor, Neurosurgery

CLINICAL OFFICE (PRIMARY)

- **Stanford Neuroscience Health Center**

213 Quarry Rd

MC 5957 FI 2

Palo Alto, CA 94304

Tel (650) 723-6469 **Fax** (650) 725-0390

Bio

CLINICAL FOCUS

- Neurological Surgery

ACADEMIC APPOINTMENTS

- Clinical Instructor, Neurosurgery

PROFESSIONAL EDUCATION

- Fellowship: Stanford University Dept of Neurosurgery (2025) CA
- Intercalated BSc, Kings College London , Neuropharmacology (1997)
- Medical degree (MBBS), Kings College School of Medicine and Dentistry, London, UK , Medicine (2000)
- Residency, University College London Hospitals / National Hospital Neurosurgery Residency , Neurosurgery (2015)
- PhD, University College London , Cognitive Neuroscience and Neuroimaging (2016)

PATENTS

- Wong, Steven; Ekanayake, Jinendra; Constandinou, Timothy. "United States Patent GB2632018A (pending) Apparatus and method for intraoperative real-time tumour tissue discrimination", Imperial College London, Jan 22, 2025
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Publications

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- **Towards Markerless Intraoperative Tracking of Deformable Spine Tissue**
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- **Definition of Implanted Neurological Device Abandonment** *JAMA NETWORK OPEN*
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- **Towards Intraoperative Tissue Characterisation with Industrial Precision LiDAR** *IEEE-EMBS International Conference on Biomedical and Health Informatics*
LeRenard, N., Wong, S. S., Giannarou, S., Faccio, D., Constandinou, T. G., Ekanayake, J.
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- **Building Healthcare Applications with LiDAR - Real-time Tissue Identification for Surgery** *IEEE Healthcare Innovations and Point of Care Technologies (HI-POCT)*
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- **Morphometric differences between basal cell carcinomas & melanomas of the head & neck versus other sites and their influence on neural networks** *EJC Skin Cancer*
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- **Towards Real-time Multiplexed Bioimpedance Tumour-Tissue Margin Analysis**
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- **Patent: Apparatus and method for intraoperative real-time tumour tissue discrimination**
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- **Patent: Actuator handle for surgical tools**
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- **Real-time decoding of covert attention in higher-order visual areas** *NEUROIMAGE*
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