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Education Information

Expertise In Medicine, Hacettepe University, Tıp Fakültesi, Cerrahi Tıp Bilimleri Bölümü, Turkey 1987 - 1994

Expertise In Medicine, Hacettepe University, Tıp Fakültesi, Cerrahi Tıp Bilimleri Bölümü, Turkey 1987 - 1994

Advising Theses

BERKER M., Temporal lob epilepsi modelinde grup ı metabotropik glutamat reseptör ekspresyonu üzerine lakozamid'in etkisi, Doctorate, B.BİLGİNER(Student), 2016

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Enabling personalization of a robotic surgery procedure via a surgery training simulator**
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- II. **Endonasal endoscopic approach for sellar metastatic pathologies: a national observation**
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- III. **Development and Validation of a Novel Methodological Pipeline to Integrate Neuroimaging and Photogrammetry for Immersive 3D Cadaveric Neurosurgical Simulation**
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- IV. **Do antimicrobial stewardship programs improve the quality of care in ICU patients diagnosed with infectious diseases following consultation? Experience in a tertiary care hospital**
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- V. **The Past, Present, and Future Statuses of Formerly Classified "Atypical Pituitary Adenomas": A Clinicopathological Assessment of 101 Cases in a Cohort of More than 1,000 Pure Endoscopically Treated Patients in Single Center**
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- VI. **Human-Robot Interfaces of the NeuRoboScope: A Minimally Invasive Endoscopic Pituitary Tumor Surgery Robotic Assistance System**
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- VII. **The Effect of Training, Used-Hand, and Experience on Endoscopic Surgery Skills in an Educational Computer-Based Simulation Environment (ECE) for Endoneurosurgery Training**
ÇAĞILTAY N., Ozcelik E., Isikay I., HANALIOĞLU Ş., SÜSLÜ A. E., Yucel T., BERKER M.
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- VIII. **The Underlying Reasons of the Navigation Control Effect on Performance in a Virtual Reality Endoscopic Surgery Training Simulator**
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- XII. **Descriptive Analysis of Sphenovomerine Suture and Its Importance in Neurosurgery**
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- XIII. **Splitting of the Optic Nerve by a Pituitary Macroadenoma**
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- XIV. **Reasons and results of endoscopic surgery for prolactinomas: 142 surgical cases**
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- XVII. **Thyrotropinoma and multinodular goiter: A diagnostic challenge for hyperthyroidism**
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- XVIII. **Management of cerebrospinal fluid leak during endoscopic pituitary surgery**
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- XIX. **Complications of endoscopic surgery of the pituitary adenomas: analysis of 570 patients and review of the literature**
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- XX. **Parenchymal lymphoma of the brain on initial MR imaging: A comparative study between primary and secondary brain lymphoma**
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- XXV. **Endovascular treatment of kissing aneurysms at the fenestrated basilar artery case report with literature review**
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Articles Published in Other Journals

- I. **Role of Hypofractionated Stereotactic Radiosurgery in Recurrent Pineal Parenchymal Tumors of Intermediate Differentiation: A Case Report and Review of the Literature**
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- II. **Technology-enhanced surgical education: attitudes and perceptions of the endoscopic surgery community in Turkey**
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- IV. **The ultrastructure and immunohistochemistry of the septum pellucidum in a case of thalamic low grade astrocytoma with review of literature**
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Books & Book Chapters

- I. **Nöroşirürji Ders Kitabı**
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Refereed Congress / Symposium Publications in Proceedings

- I. **Simulations for surgical education: A case study for neurosurgery**
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- II. **Conceptual Design of a Surgical Instrument-Guided Robotic Neuroendoscope Holder - NeuRoboScope**
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- III. **Cerrahi aletlerle yönlendirilebilen robot yardımlı endoskop kontrol sistemi Neuroscope'xxun kavramsal tasarımı**
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- IV. **Simülasyon teknolojisi ile zenginleştirilmiş endo-nöroşirürji eğitimi modeli: endoskopik hipofiz cerrahisi için örnek bir çalışma**
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- V. **Problems of Endoneurosurgery Education: A cse study in Turkey**
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- IX. **Sellar ve parasellar bölge cerrahisi komplikasyonları - önlemler ve çözüm önerileri**
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- X. **IMAGING FEATURES IN PARENCHYMAL LYMPHOMATOUS MASSES IN BRAIN: PRIMARY CNS LYMPHOMA OR SYSTEMIC INVOLVEMENT OF THE BRAIN?**
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- XI. **IMAGING FEATURES IN PARENCHYMAL LYMPHOMATOUS MASSES IN BRAIN: PRIMARY CNS LYMPHOMA OR SYSTEMIC INVOLVEMENT OF THE BRAIN?**
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