TODNEM-REDDY (TR) NEUROSURGERY BOARD REVIEW MOBILE APPLICATION: REVOLUTIONIZING PREPARATION FOR THE WRITTEN NEUROSURGICAL BOARD EXAMS

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The Authors Have No Disclosures
INTRODUCTION

- Neurosurgery Residents are required to complete two written exams for credit during their training
  - American Board of Neurological Surgery (ABNS)
  - PGY2 Neuroanatomy Exam: First exam planned for July 2020
METHODS

- Conceived by a senior resident
- Junior medical student transcribed notes into excel
- 1500 cards into various categories including 
  neurology, pathology, radiology, pediatric 
  neurosurgery, ophthalmology, adult 
  neurosurgery, critical care, and anatomy & 
  physiology
- Multiple residents combed through the terms
- App development team at Augusta University was 
  consulted
INFORMATION TECHNOLOGY AT AUGUSTA UNIVERSITY

■ iOS (Development: 9/18 – 2/19)
  - All iOS development was performed using the Swift programming language and Xcode, Apple’s native integrated development environment (IDE)

■ Android (Development: 10/18 – 3/19)
  - All Android development was performed using the Java programming language and Android Studio, Google’s native IDE.
FINAL PRODUCT

- Free on Google Play Store and Apple App Store
  - Download “TR Neurosurgery Board Review”
CURRENT DOWNLOAD STATISTICS

APPLE APP STORE: (02/01/19 – 03/01/20)

<table>
<thead>
<tr>
<th>Country/Region</th>
<th>Units</th>
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<tbody>
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<td>USA &amp; Canada</td>
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<tr>
<td>Europe</td>
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<td>Africa, Middle East, India</td>
<td>123</td>
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<td>Latin America &amp; Caribbean</td>
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<td>Asia Pacific</td>
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<td><strong>Total</strong></td>
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GOOGLE PLAY STORE: (03/01/19 – 03/01/20)

Total unique installs: 634
NEWEST UPDATE: 1000+ NEUROANATOMY IMAGES FROM THE RHOTON COLLECTION
FUTURE DIRECTION: NEURORADIOLOGY IMAGES

- Colloid Cyst
- Vestibular schwannoma
- CP angle meningioma
- Epidermoid of CP angle
- Convexity Meningioma

- Pineocytoma
- Sphenoid Wing Meningioma
- Hemangiopericytoma
- Convexity Meningioma
SUMMARY POINTS

■ **TR Neurosurgery Board Review** is the first free mobile application designed to prepare residents for the written neurosurgery boards

■ 1500+ Flashcards from residents who passed their board exams

■ 1000+ Neuroanatomy Images (via NREF Rhoton Collection)

■ Studying on the go and between various responsibilities

■ Completely free on both the Apple App Store and Google Play Store

■ Ability to be constantly updated and expanded

■ Please email todnem.reddy.app@gmail.com if you are interested in contributing!