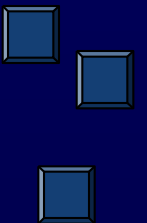
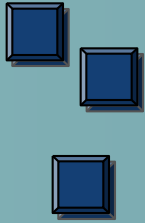


Stroke Mimics

March 20, 2018

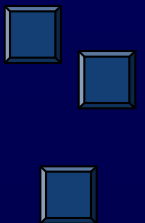
Robert Del Grande





Disclosures: Nada

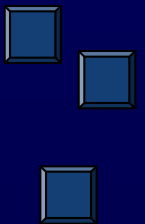
Speaker: Dr. Robert Del Grande






What is a TIA/Stroke?

- Acute onset focal neurological deficit of vascular origin
 - < 24 hrs: TIA
 - [1-7 days: RIND]
 - > 1-7 days: Stroke





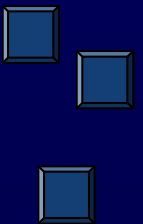
‘Mimics’

- Migraine
 - Syncope
 - Seizure
 - Vertigo
 - Transient Global Amnesia
 - Anxiety / Conversion Reaction
 - Peripheral Nerve Palsy
 - Other
- 



Mimics Not Included; Also...

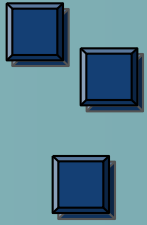
- Other IC pathologies: Ca, ICH, CNS infection, MS, PRES
- NB: CT scans DO NOT DIAGNOSE CVAs, clinicians do!
- In general CTs are not sensitive; sometimes not specific NB Virchow-Robin spaces
- A normal CT scan does NOT R/O a CVA





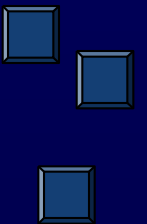
**30% of ER ‘TIAs/-strokes’ are
not.**

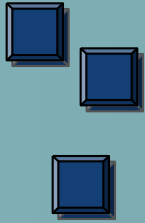




Mimics: How to Spot

- History
- History
- History

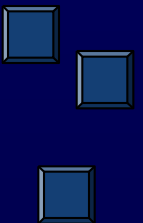




Mimics: How to Spot

What do you need to ask?

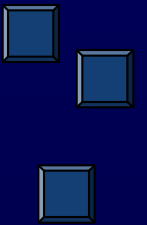
- Onset: Slow or fast
- Area/Modality affected
- What was patient doing at the time?
- Associated Symptoms
- Past History
- Pre-event likelihood

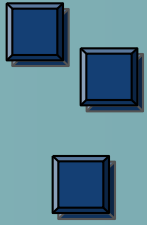




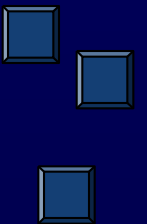
Other Features

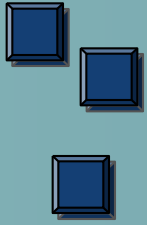
- Focal signs vs focal symptoms
- Fainting/LOC, dizziness, generalized weakness: rarely TIA/CVA





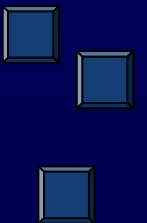
Migraine





Migraine

- Common
- Classic
- Ophthalmoplegic
- Hemiplegic





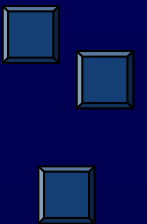
Syncope/Presyncope

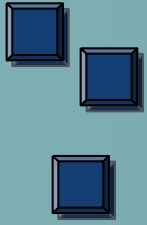




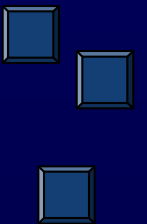
Syncope/Presyncope

- LOC almost never TIA/CVA
- Look for typical history/symptoms
- Watch for Cardiac causes





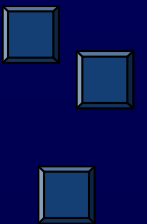
Seizures

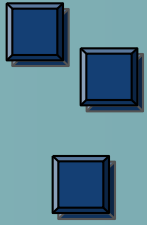




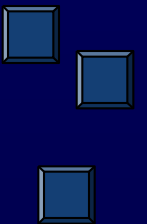
Seizures

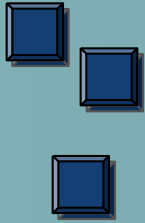
- Tonic-Clonic: no brainer
- Partial complex: More complex
- Todd's Paralysis: May have missed index seizure
- Seizures occur rarely with Acute CVAs





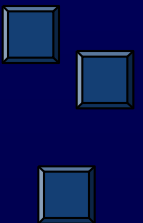
Vertigo





Vertigo

- Peripheral vs Central
- Peripheral:
 - ▶ BPPV: Dix-Hallpike
 - ▶ Acute Labyrinthitis: HINTS
 - ▶ Meniere's Disease





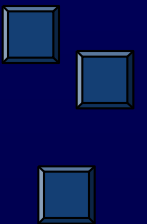
Transient Global Amnesia

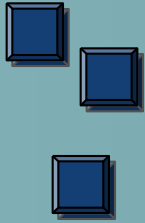




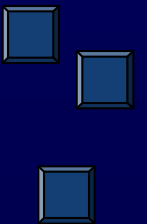
Transient Global Amnesia

- Sudden disorder of memory
- Basic level of function usually maintained
- ‘Confusion’, repetitive questions
- Not a TIA/CVA; not a SZ; no idea *what* it is!





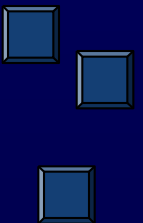
Anxiety / Conversion Reaction





Anxiety / Conversion Reaction

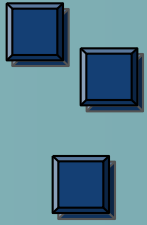
- Often 'doesn't make sense'
- Hyperventilation
- Conversion Disorder
 - ▶ Inconsistent with normal anatomy/function
 - ▶ Hoover Sign
 - ▶ Abductor Sign





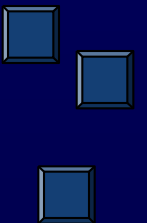
Peripheral Neuropathy

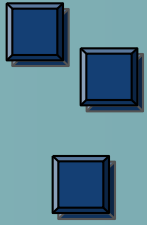




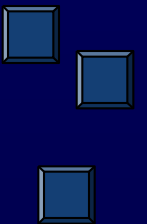
Peripheral Neuropathy

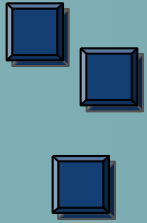
- Bell's Palsy
- CTS, Ulnar/Radial Neuropathy
- Meralgia Paresthetica
- Peroneal Nerve Palsy





Other





Other

- Motor Neurone Disease
- Polymyositis

