

Interview #1: Dr. Aiyagari

9/17/18

* day-to-day work

• neurocritical care

• academic inst.

(many roles)

- providing patient care
- medical education
- research

* clinical care

• taking care of patients w/ severe diseases

• patients: unstable / icky

• breathing machine

• pressure monitor

• seizures

• no outpatient clinic

↳ ICU to new ICU

• no 24/7 hour camera

(continuous) monitoring of brain waves

* brain waves activity

• depends wake/sleep

• normal → dif pattern

• dream... REM → brain wave cycle freq. Ⓢ

• brain injury

• abnormal

→ seizures = can't be visible unless brain wave fast

* medical education

• residents / students

• neurological exams → taught

* research projects

• manual dif-

• examining changes in pupils of eye → correlation of brain injury smell
• using recording eye

~ rejection

- acute BP in brain bleed
- strokes

↓ BP: ↓ brain damage

* background

- India
 - medical school
 - 17 years old!!
- Calcutta ...
 - 5 year neurology
 - residency

care volume
more teaching
- lucky
↓ tech
↓
no

- NVU
 - residency (2nd)
 - 2 years fellowship
 - neurocritical care

more academic ... ♡ it

↑ sodium values

Na+ → not normal
> 160 ... bad

- renal
- indirectly in electrical impulses
- give patients of solutions NaCl
- strike brain cells

→ most interesting

• neurological exam ... clinical test

• neurocritical care: brand new

* interest in epilepsy

- abnormal discharge from brain

↳ seizure from temporal lobe ... etc neurological functions

epilepsy:

- start off w/ genetic disorders ... brain metabolism
- head injury ... scar in brain

↳ neuronal discharge → dysregulated activity
↳ high fever form circuits
↳ inhibitory circuits

Neuro... psychology

↳ specialize w/ behavioral neuroscience... overlap

* One week off - one week on

• Clinical week

• 7 AM - 7 PM

• on call @ night too

• next week: off

• recharge

• research

• learn

↳ more formal

• residents follow around

technics during both

neurology
↳ email for parents
↳ colleagues

* neurocritical care

• patients: unconscious

• talk to fam. members

• test results

* neurology

• last portion of clinical medicine

↳ clinical
• CT scan
• ECG

(limited behavioral test)

+ neurology changing

• alot... genetic engineering

↳ helps alot

* patient achievement

• not one... when patients are getting better