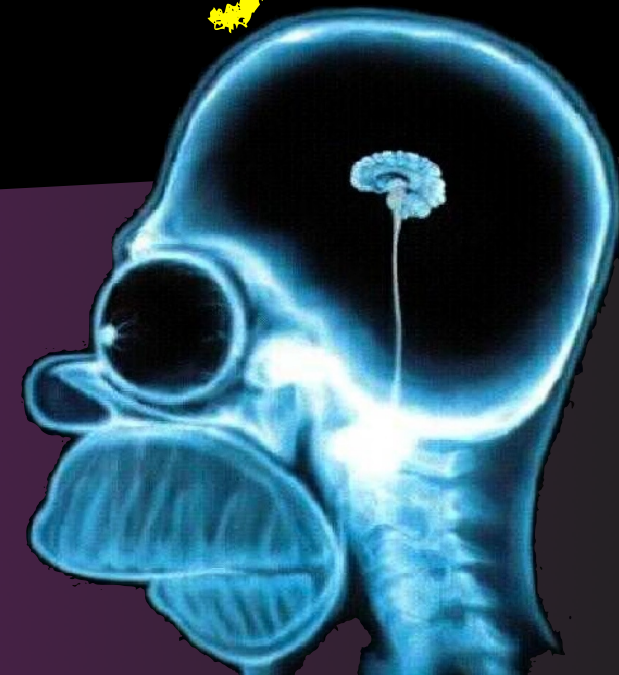# Advanced Neuroimaging Workshop

in

Geriatric Psychiatry & Dementia

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A Practical Guide for Anyone

Presenter Disclosure Form

- **Faculty:** David F. Tang-Wai MDCM FRCPC

- **Relationships with commercial interests:**
    - Member of the Program & Services Committee of the Alzheimer Society of Toronto (no financial compensation)

    - Co-applicant on grants awarded from CIHR, Brain Canada, Weston Foundation and NIH (no salary support)

    - Involved in drug studies from Boehringer, Biogen, Eli-Lili, Lundbeck

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Disclosure of Commercial Support

- This program has received no financial support from outside organizations.

- This program has received no in-kind support from outside organizations.
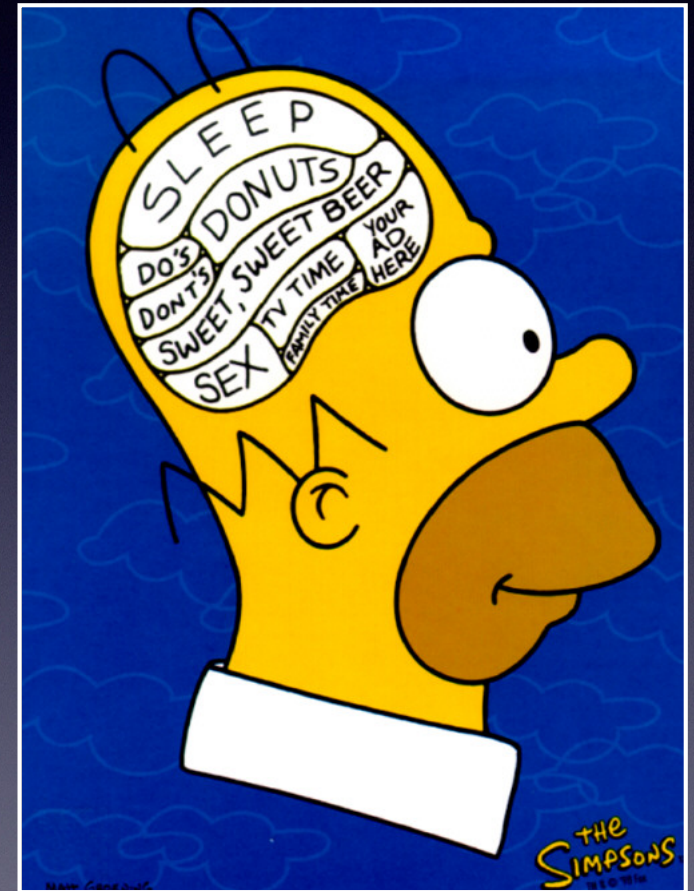
Mitigating Potential Sources of Bias

- There is no potential bias as none of the research projects are involved with structural and functional neuroimaging

- No medications will be discussed

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Other Disclosures

- A neuroradiologist is your best friend.

- Due to time limitations, this talk will focus on the neuroimaging findings of common dementias only.

Objectives

1. Read either a computerized tomography (CT), magnetic resonance imaging (MRI) scan, and SPECT (single photon emission CT) of the brain

2. Identify key neuroanatomical structures

3. Determine the key neuroimaging features of various dementing disorders

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Outline

1. Pre-talk quiz
2. Review the basics of neuroimaging
   - Structural
     - CT, MRI
   - Functional neuroimaging
     - SPECT, PET
3. Interactive review of key neuroimaging findings of common dementias
4. Post-talk quiz
5. Summary