

# Clinical diagnosis of Alzheimer's, treatment options and clinical trials

Associate Professor Roger Clarnette

Geriatrician, Fremantle Hospital

Medical Director, Australian Alzheimer's Research  
Foundation

# Diagnosis

- 1. Phenotype (description of the problem)
- 2. Cognitive examination
- 3. Brain imaging (MRI is best)
- 4. Biomarker (available in research studies)
  
- NB diagnosis can and should be made before a person becomes demented

# Drug Treatment

- Single drugs have all failed
- Standard treatment – cholinesterase inhibitors only modestly effective
- Ebixa
- Souvenaid

# Experimental Drugs

- Anti-amyloid monoclonal antibodies
- BACE inhibitors
- Sigma receptor modulators
- TNF $\alpha$  antagonists
- Iron chelation

# Prevention

- Exercise – muscles, bone, cardiovascular
- (exercise does not reduce weight)
- ❖ Good nutrition – normalise body weight, reduce insulin levels
  - ❖ What to eat – protein, fat, vitamins, minerals
  - ❖ When to eat – intermittent fasting
  - ❖ Ketogenic/MIND diet

# Prevention

- Minimal alcohol
- No smoking
- Cognitive and social activities