

The Rowland Universal Dementia Assessment Scale in Practise

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Language vs Culture

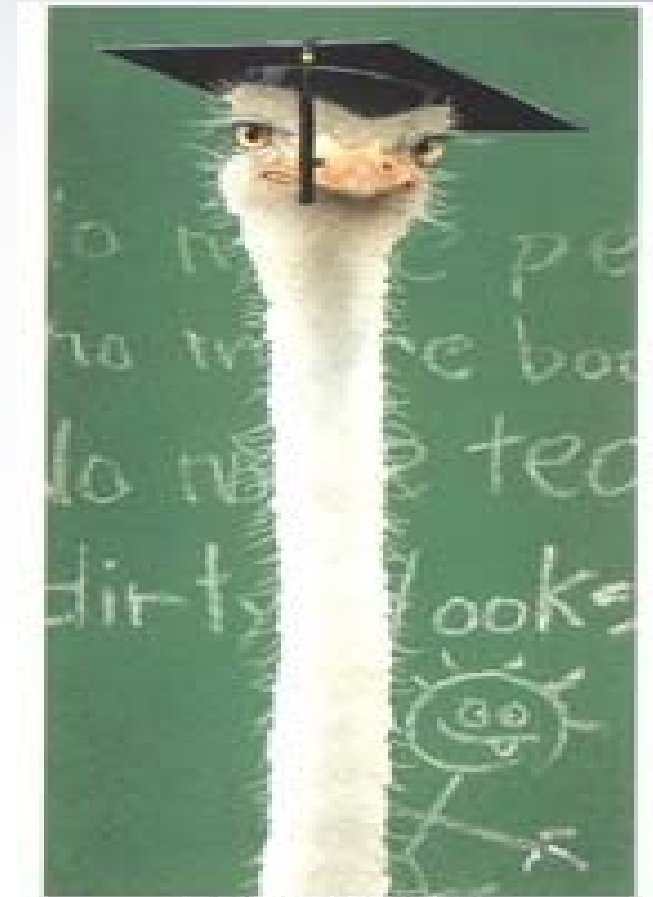


- Language not = culture
 - Spain vs Argentina
- Heterogeneity within cultures
 - North vs South Italy
- Acculturation
 - Migration history

Education



- Literate vs Illiterate
- Any vs none
 - No. of yrs
 - Grade level



higher learning...

The MMSE



- **Pros**

- Used since 1975
- most popular of the short instruments
- wide range of functions tested
- quick & easy
 - little equipment required
- over 1723 references to MMSE
- Test -retest reliable 0.8-0.84
- Interrater ~0.84

MMSE and Culture



- Versions in French, Swedish, Finnish, Spanish, Japanese, Bangla & Chinese
- Articles in Polish, Russian, Hungarian, Czech, Dutch, German, Hebrew, Portuguese, Serbo-Croatian & Norwegian
- African-American, Hispanic & Amish

The MMSE



- Cons
 - difficult to translate
 - effect of education, age and gender
 - effect of place of administration
 - can be confronting

RUDAS



- Designed to be :
 - translatable
 - little effect of education
 - no test of orientation
 - less confrontational



	<u>Aim</u>	<u>Outcome</u>
<u>Health 1</u>	Identify Cognitive Domains	List of Domains.
<u>NESB 1</u>	Explore meaning of 'culture'. Assess cultural relevance of domains.	All domains relevant and appropriate.
<u>Health 2</u>	Generate test items.	Extensive list of items.
<u>NESB 2</u>	Assess for 'cultural / linguistic' fairness.	Refined list of items
<u>Health 3</u>	Revise validity of modified items.	Final list of items
<u>NESB 3</u>	Final item review.	Final list of items

MCMMSSE



- **6 items**
- **12 domains (Memory, Learning, Praxis, Judgment, Planning, Attention, Gnosis, Language, Visuo-spatial/Construction, Perseveration, Initiation, Orientation)**
- **10 mins**

RUDAS



- Item 1: 4 Item Grocery List**
- Item 2: Identify Body Parts**
- Item 3: Hand/Fist Alternating**
- Item 4: Cube Drawing**
- Item 5: Crossing the Road**
- Item 6: Animal Naming**

Memory



- 4 grocery items
- repeat up to 5 times till learned

- Tea
- Cooking Oil
- Eggs
- Soap

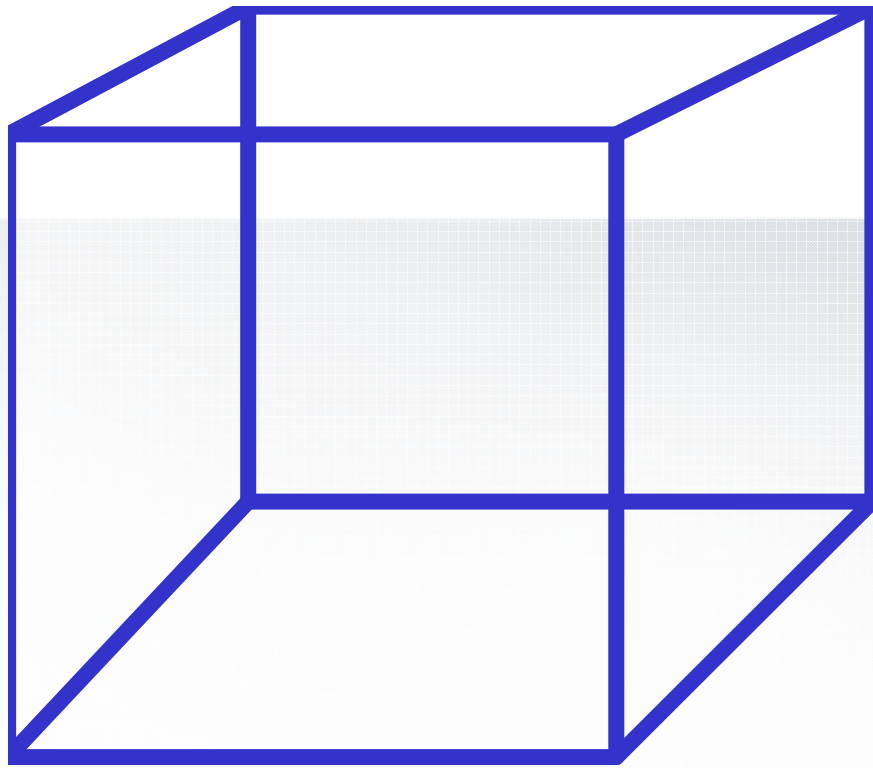
- Score 2 for each correct

Body Parts



- Sit opposite patient
- Right Foot
- Left Hand
- with Right Hand touch Left Shoulder
- with Left Hand touch Right Ear
- my Left Knee
- my Right Elbow
- with Right Hand indicate my Left Eye
- with Left Hand indicate my Left Foot
- Score 1 for each correct up to a maximum of 5

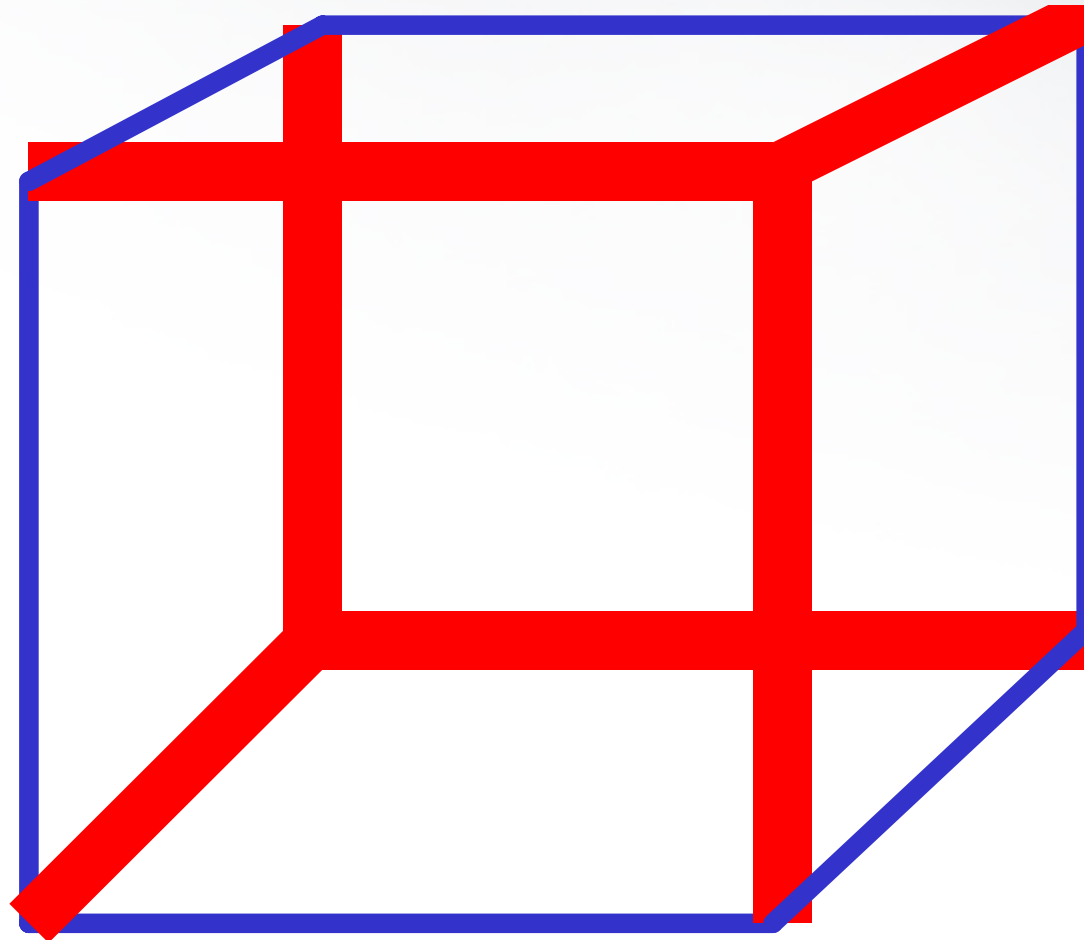
Cube



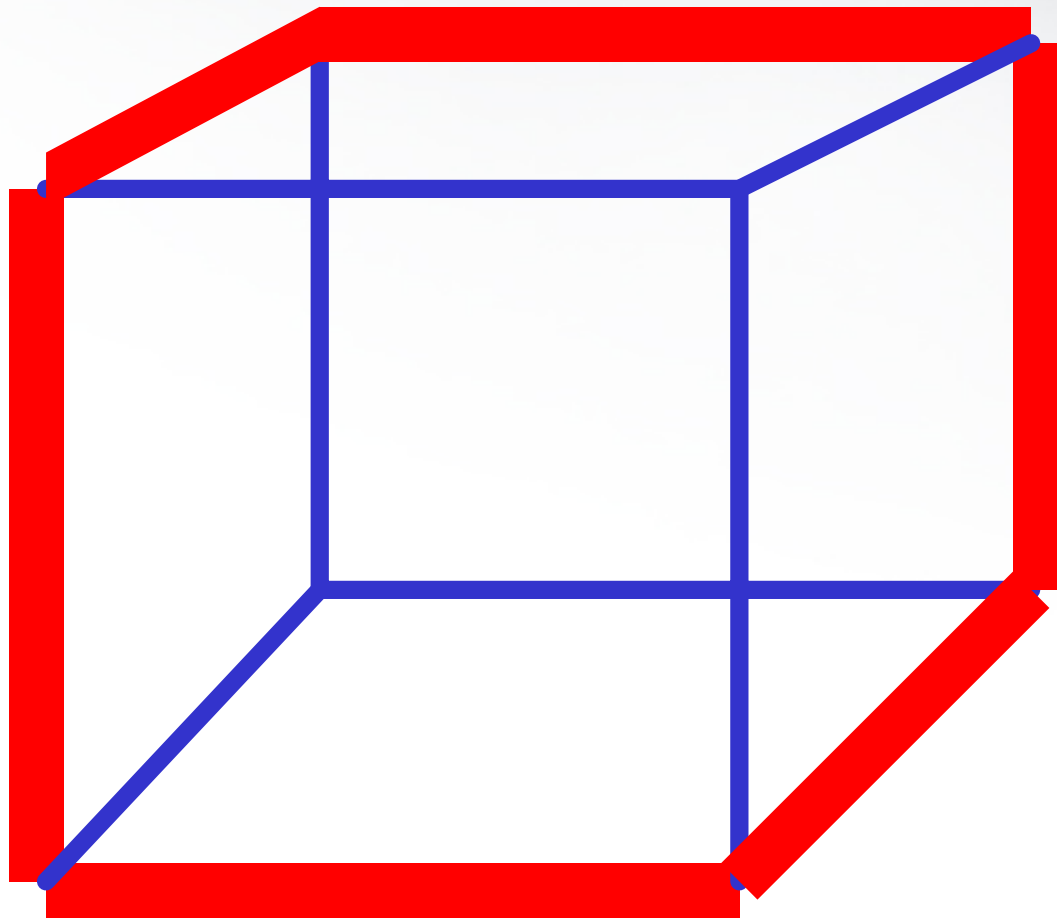
- Copy a drawing of a cube

- Score Square = 1
 Internal Lines = 1
 External Lines = 1

Internal Lines



External Lines



Animal Naming



- Timed over 60 seconds
- Only new animals counted
- Foal vs horse

- Score 1 for each new animal up to 8

Scoring



• Memory	8
• Body Parts	5
• Fist Palm	2
• Cube	3
• Judgment	4
• Animals	8
• Total	30