

# Teaching Evidence-Based Neurology and Cochrane Systematic reviews

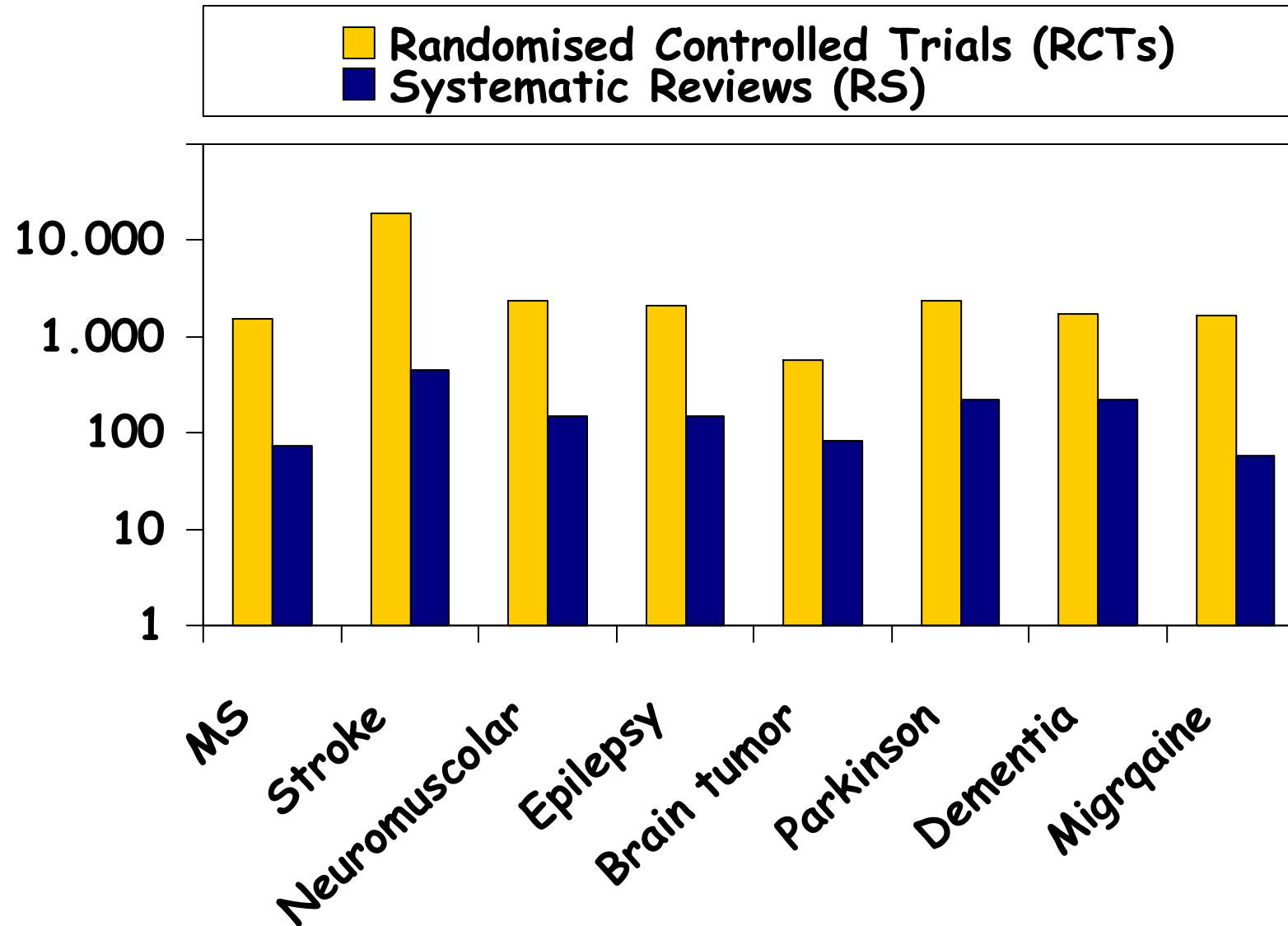
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First workshop: Epilepsy  
London, 30 June -1 July 2005

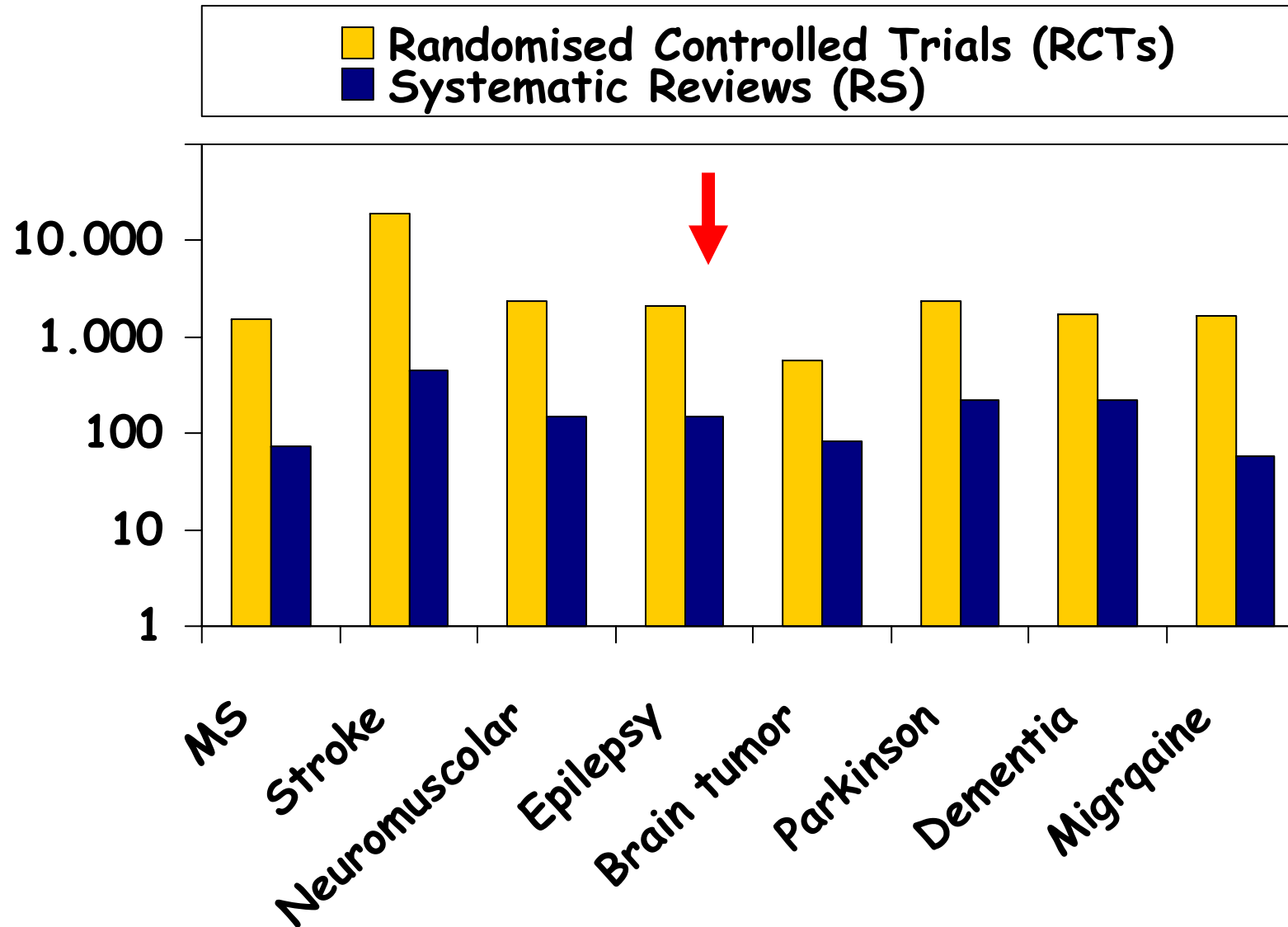


Cochrane Neurological Network

# Background



# Background



# Evidence-Based Medicine

Is a process of systematically finding, evaluating and using updated good quality research as the basis for clinical decision making

EBM and Systematic reviews



Clinical experience

# Systematic Reviews

Research synthesis  
bringing together evidence from  
randomised controlled trials

# Systematic reviews are a literature synthesis

Rather than just look at one study, consider the results of as many as possible, this method

- *can increase precision*
- *can improve generalisability*

# Systematic reviews are research products

so-as in all research- scientifically  
defensible steps  
are taken to reduce

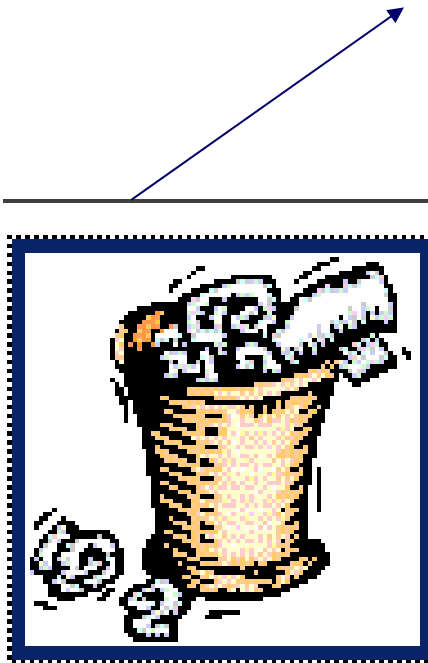
- biases of various kinds
- the effects of the play of chance
- and, thus, the danger of false conclusions

# Systematic reviews weaknesses

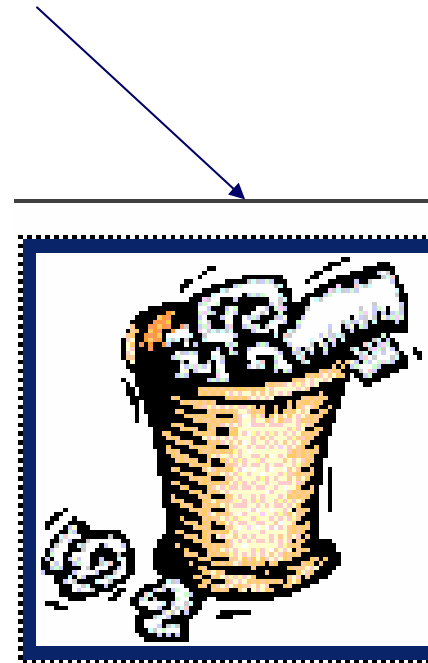
GIGO

Lumping - splitting  
RCTs dependence

# GIGO



RCTs



SR

# First workshop: Epilepsy

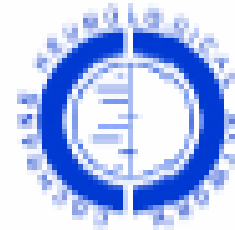
London, 30 June -1 July 2005

- Who are we?
- What do we expect to learn ?

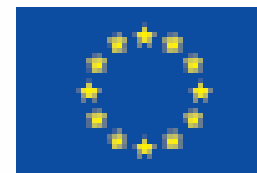
# Who are we?

Organisations  
Coordinator/speakers  
Participants

Cochrane Collaboration  
Cochrane Neurological Network



European Union  
Marie Curie Action



# The Cochrane Collaboration

is an international organisation that aims to help people make well-informed decisions about healthcare

by preparing, maintaining and promoting the accessibility of systematic reviews of the effects of healthcare interventions

Cochrane Collaboration

[www.cochrane.org](http://www.cochrane.org)

# European Union

<https://webgate.cec.eu.int/sesam>

# Cordinator/speakers

**Tony Marson (Cochrane Epilepsy Group) Liverpool, UK**

**Ettore Beghi, Monza, Italy**

**Livia Candelise, Milan, Italy**

**David Chadwick, Liverpool, UK**

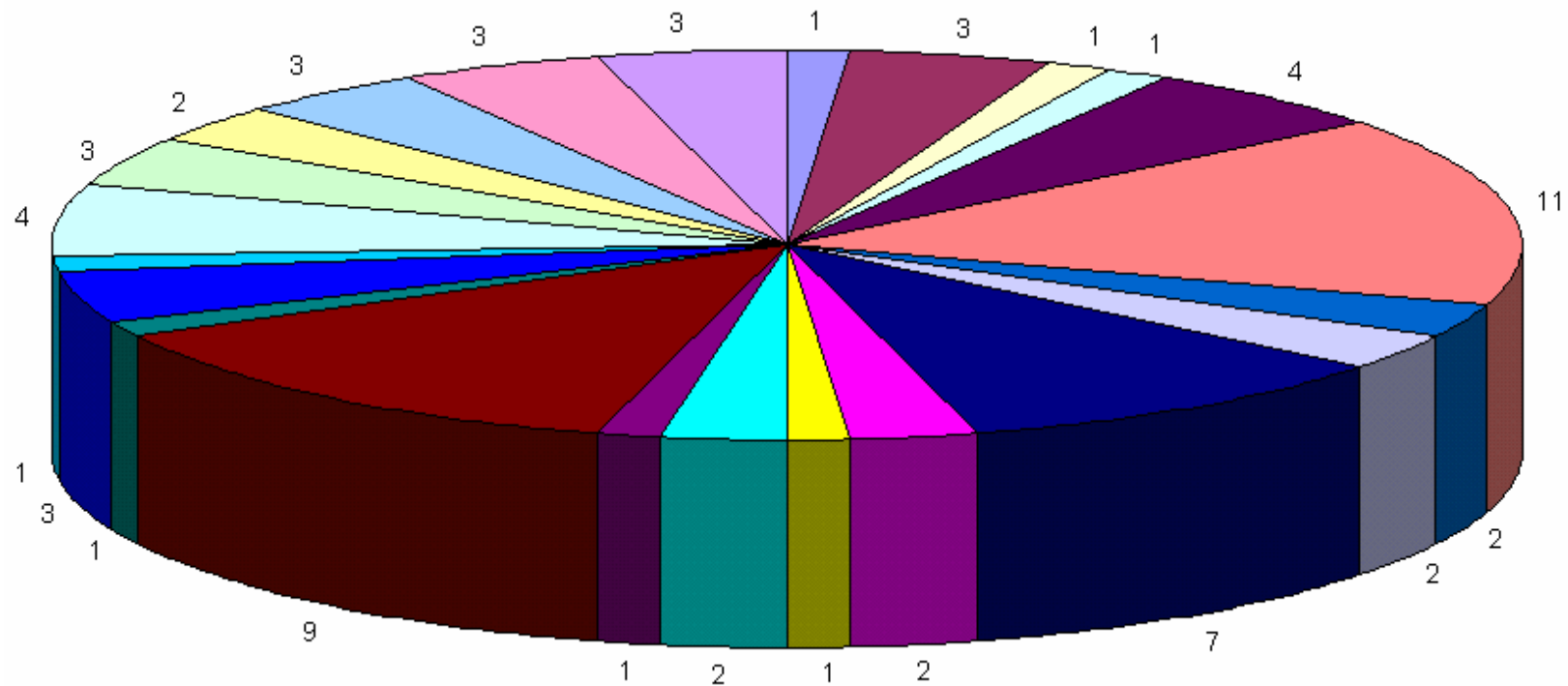
**Emilio Perucca, Pavia, Italy**

**Philippe Ryvlin, Lyon, France**

**Dieter Schmidt, Berlin, Germany**

**Sam Wiebe, Alberta, Canada**

# Participants



# What do we expect to learn ?

1. More about the treatment of epileptic patients
2. The language of the RCTs and Systematic reviews

# Clinical questions

1. Treatment decision for first seizure
2. Choice of monotherapy drug
3. Add on drugs for patients with refractory epilepsy
4. Surgery for patients with refractory epilepsy

# Methodological issues

1. Randomised controlled trials
2. Appraising systematic reviews
3. Assessing surgical intervention trials
4. Using observational studies in systematic reviews

# Program of the day 1

10.30-12.30 Plenary section

12.30-13.30 Lunch

13.30-16.00 Small group work

16.30-17.00 Plenary section

17.00-17.30 Evaluation test

19.00 Dinner all together

# Program of the day 2

7.30-8.30 Breakfast

8.30-11.00 Small group work

11.00-12.30 Plenary section

12.30-13.30 Lunch

13.30-15.00 Plenary section

15.00-15.30 Evaluation test

# 1 months **FREE Access** to The Cochrane Library for attendees of the Evidence - based Neurology Training Workshop



the cochrane library

The best single source of reliable evidence  
about the effects of healthcare...

John Wiley & Sons, the publishers of **The Cochrane Library** on Wiley InterScience, are offering a one month **FREE** trial subscription for attendees of the Evidence - based Neurology Training Workshop in London, 30th June - 1st July

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reliable evidence about the effects of healthcare...

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# Accreditation

**Royal College  
of Physicians of London**

[www.rcplondon.ac.uk](http://www.rcplondon.ac.uk)

Code=27800

Credits=10

# Alternatives to evidence based medicine

BMJ 1999;319:1618

- Effervescence based medicine
- Webidence based medicine
- Evidence based medicine rating scale
- Wehemence based medicine
- Eloquence based medicine
- Providence based medicine
- Diffidence based medicine
- Nervousness based medicine
- Confidence based medicine