-- Peer assessment --

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GOOD assessment

- Accurate and reproducible
- Appropriate methods used
- Efficient and timely
- Related to learning objectives
- Monitors student progress
- Provides staff-student contact
- ALWAYS provides high quality feedback
- Stimulates learning
- Develop self-assessment abilities
- Appeals process

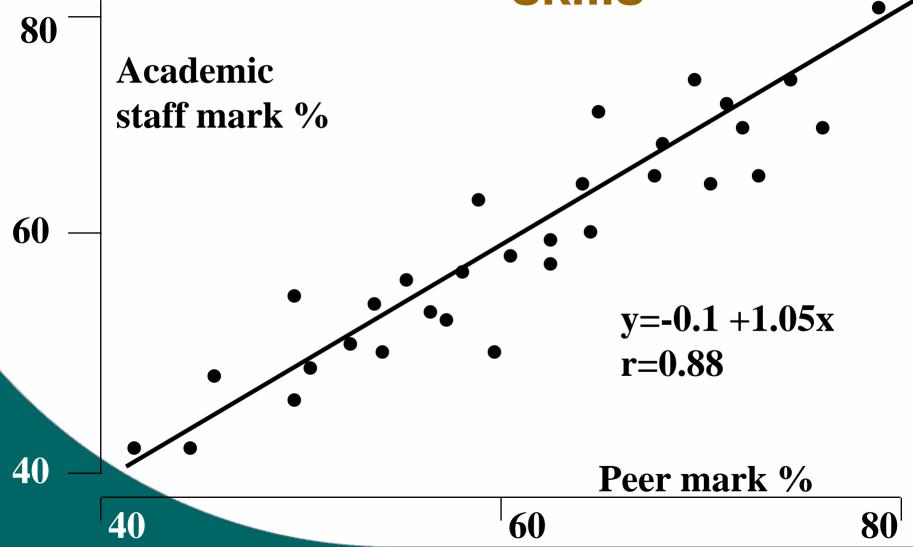
Does peer assessment make the grade?

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What have we peer-assessed?

- Verbal communication
- Poster presentations
- Information retrieval and formatting
- Laboratory reports
- Problem solving exercises
- Long essays (**)





Coping strategies for lab report marking

- Work in groups; joint rather than individual report.
- Run parallel non-laboratory activities on some weeks.
- Abolish half the practicals and provide time for self-directed learning.
- Mark only some of the laboratory exercises.
- Get your post-graduate students to do the marking for you.
- Specify very tight format; reporting data recorded, processing, final result
- Use MCQ or EMSQ to test understanding of the practical/calculations.
- Pre-prepared comment sheets for feedback or assembled feedback via MLE
- Use peer- or self- marking of the write-ups.
- Offer practically intensive and practically non-intensive options.
- Separate the learning objectives of lab classes and teach each explicitly.

Peer marking copes with problem and has bonuses

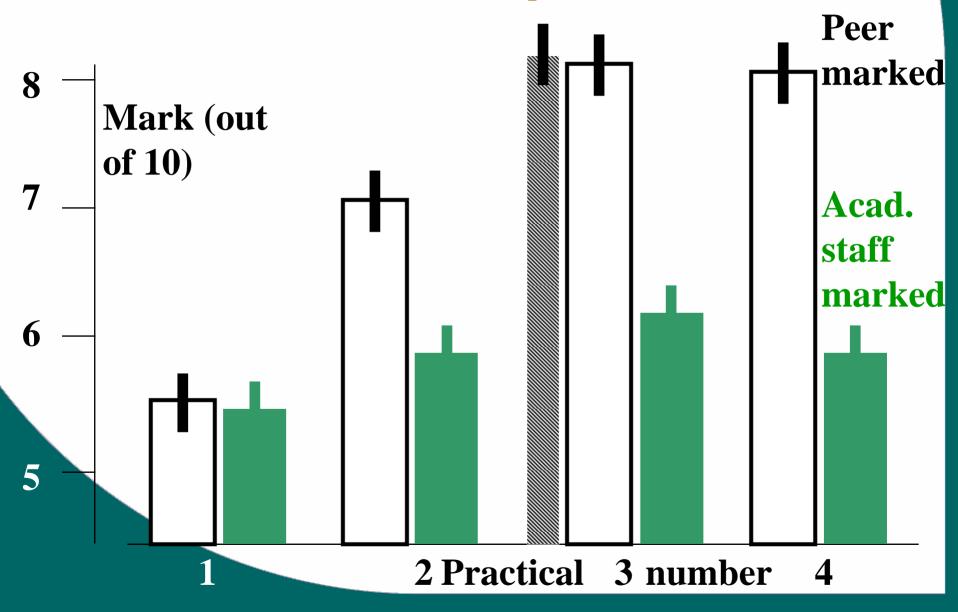
Why use peer assessment of lab write-ups?

- saves staff time and effort (200 every 14 days)
- all get all the information
- provides full explanation
- requires better understanding
- develops critical evaluation
- see others' mistakes and standards
- exposes bias/fairness/integrity issues

How is it done?

- explain purpose
- instructions on format; additional questions
- hand-in deadline (penalty)
- all in LT (350) (penalty) distribute at random
- explicit marking schedule distributed
- prepared explanations + OHP
- total marks and sign (10% checked)
- appeals procedure

Practical write-ups



What are the problems?

- introduction and initiation
- keep silence during marking!
- students don't like it (hard work, its your job, some are unfair)
- marking schedules get passed on
- cheating?
- scheduling; all same prac; time between prac and marking session; standard answer /data

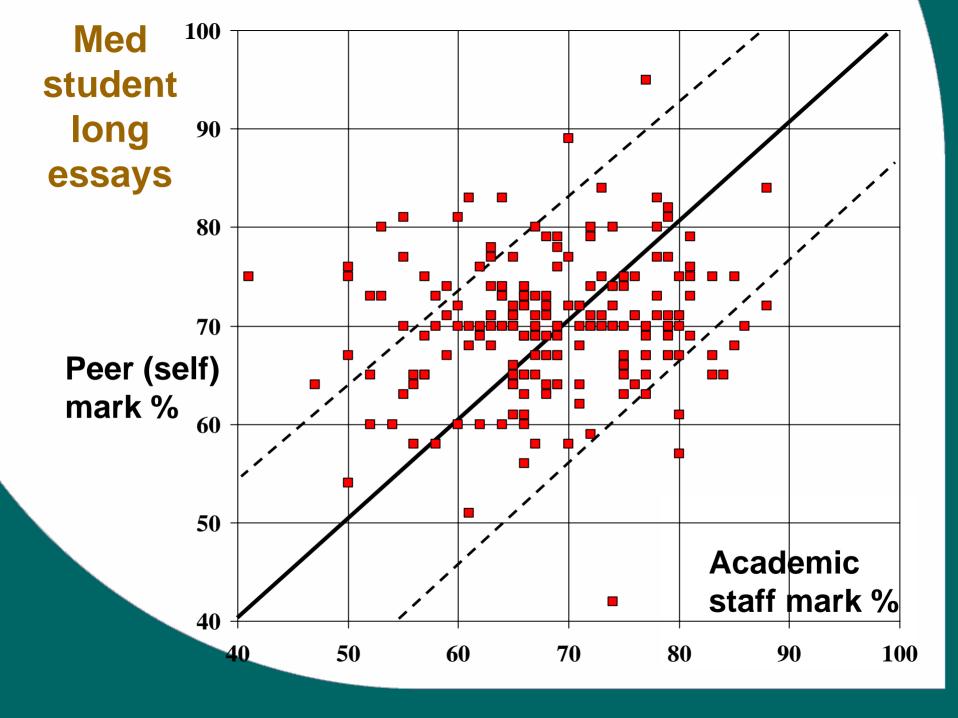
Peer poster assessment

	Group A	Group B	Group C
	n=4	n=4	n=4
	staff	peer	peer
first poster	56 <u>+</u> 4	<u>55+4</u>	→ 59 <u>+</u> 3
second poster	staff	staff	staff
	67 <u>+</u> 4	83+4	78 <u>+</u> 5

NOTE: peer process took significantly longer; small numbers; groups not isolated; 6 weeks between posters; rest of course ongoing; self selection of groups; new method effect

Peer assessment of long essays

- Medical students
- 3000 4000 words
- Proforma for staff and students (properly referenced, critical approach, evidence based; good presentation)
- Staff mark 70.2+2.1%
- Student mark 72.6+2.2%
- NSD; P>0.7



Take home messages

PEER ASSESSMENT

- is good assessment
- works and can save you time
- can improve student learning