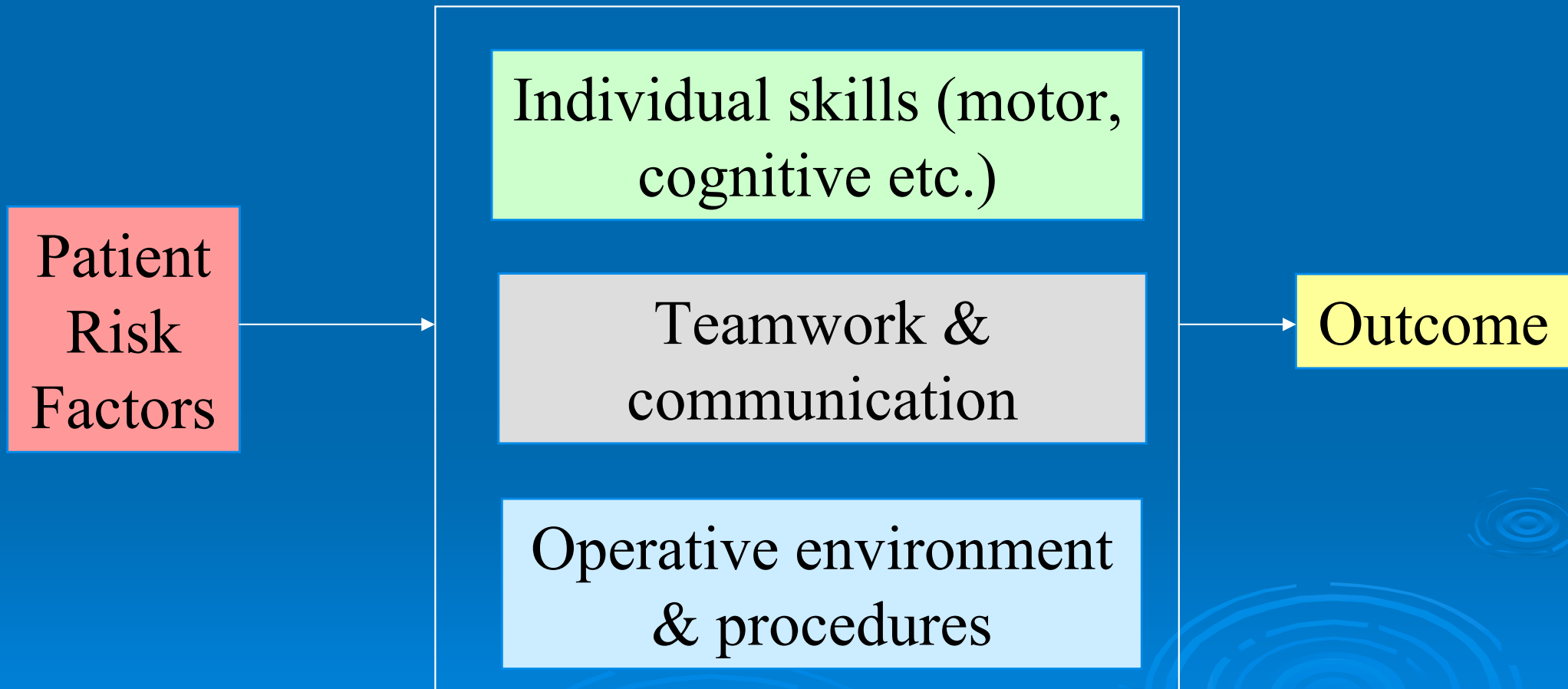


Observational Teamwork Assessment for Surgery (OTAS)

Shabnam Undre & Nick Sevdalis

Clinical Safety Research Unit
Imperial College, London

The systems approach Vincent et al. 2005



OTAS so far!

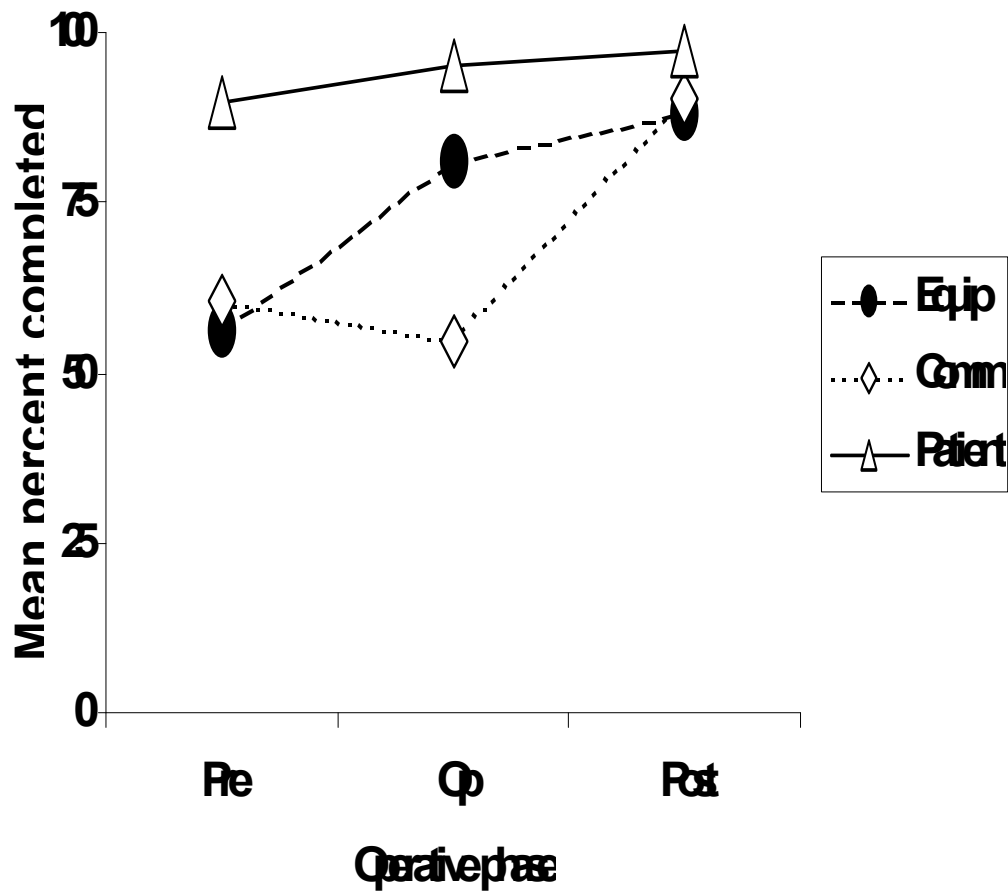
- 50 general surgery procedures (Undre et al, 2006)
 - Single behaviour ratings for the whole team
- Refinement (Healey et al, 2006)
 - Shortening of the task checklist with expert input
- 50 urology procedures (Undre et al, 2007)
 - Separate behaviour ratings for each subgroup in theatre (Anaesthetists, Nurses, Surgeons)
- 6 urology cases (Undre et al, 2007)
 - Reliability

OTAS Phases and Stages

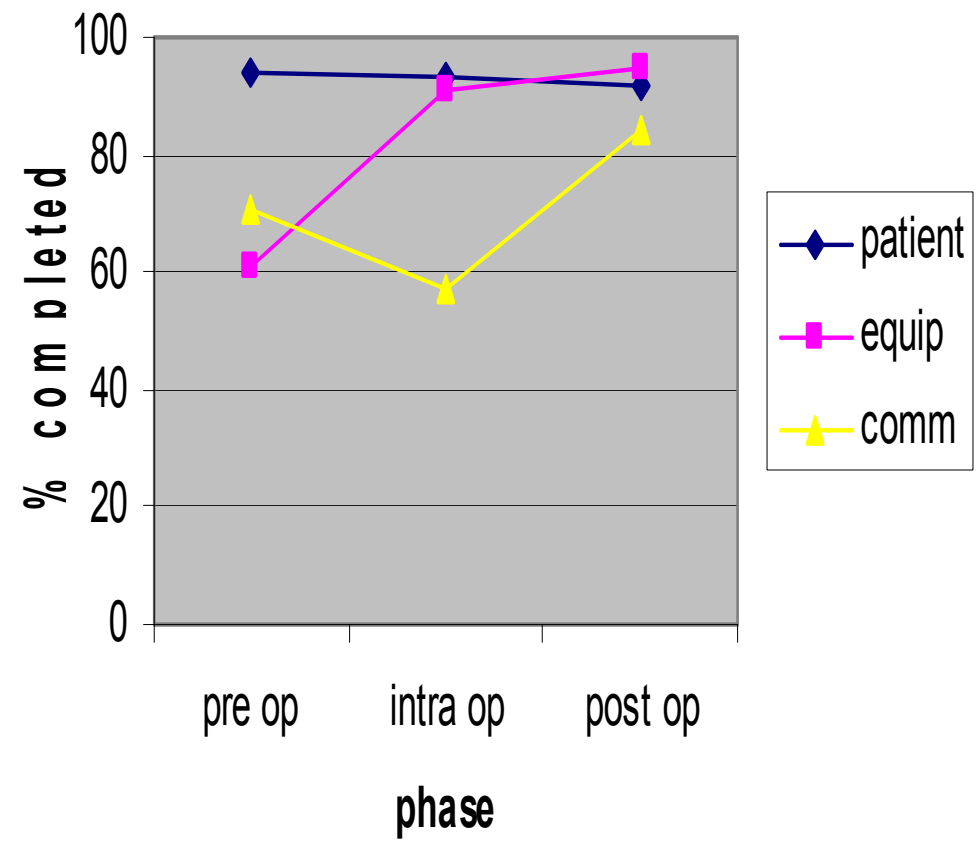
Phase	Stage 1	Stage 2	Stage 3
Pre-Op	Pre Op planning & preparation	Patient 'sent for' to Anaesthesia	Patient set up to Op readiness
Intra-Op	Incision to reaching target organ	Op specific procedure	Prep to close to closure complete
Post-Op	Reversal of anaesthesia to exit	Recovery and transfer	Feedback and self assessment

Task completion

Summary of task completion

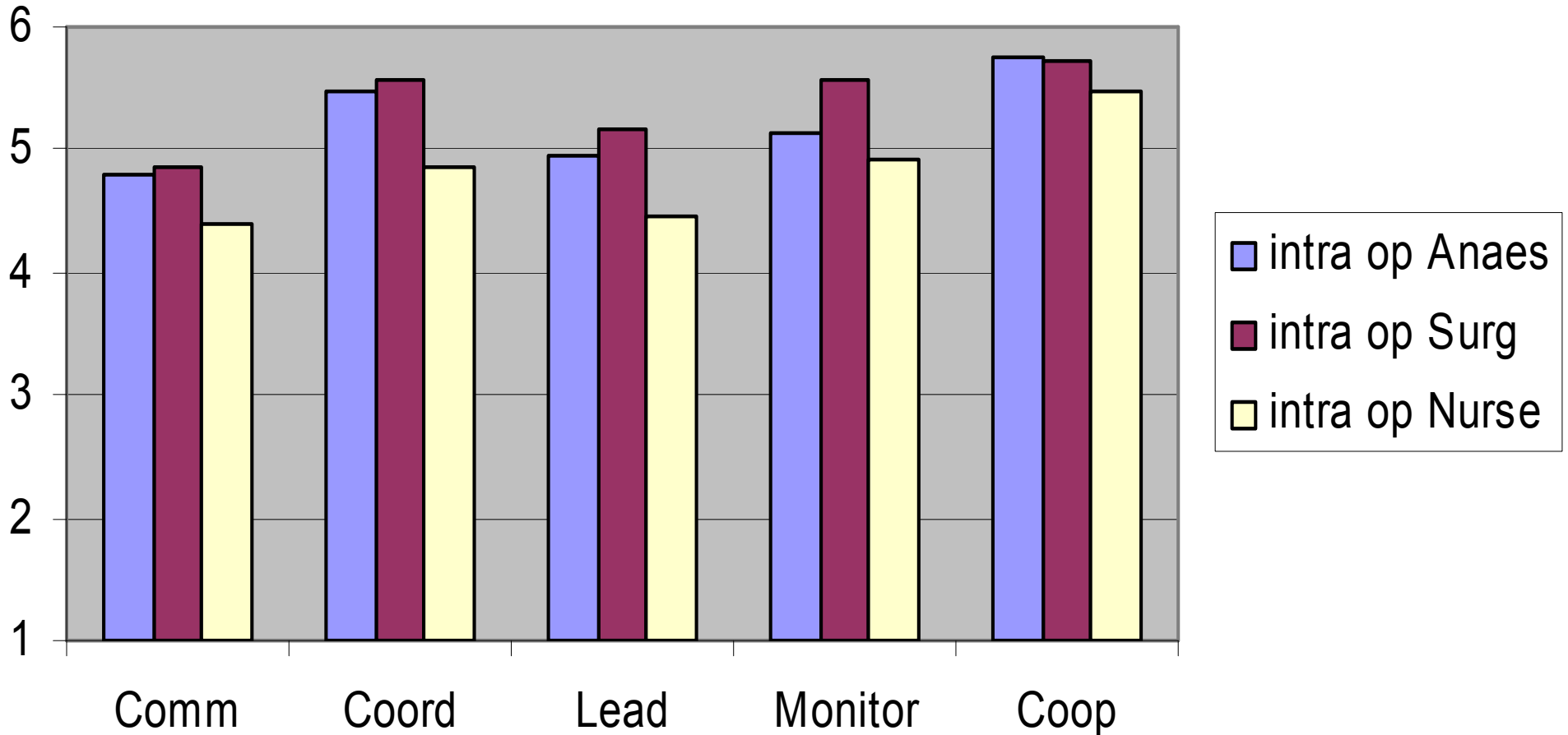


Urol Task Completion



Behaviours: Intra-op

intra op behaviours



Current work & future directions

- Safety and quality interventions
 - OTAS and quality and safety interventions in real theatres
 - Briefing and Check-listing in real theatre
- Training
 - OTAS and other technical and non-technical skills assessments
 - Evaluating transfer of skills from simulation and benefit of team interventions
- Further developmental work
 - OTAS in other specialties
 - OTAS in simulated stress and crisis management