

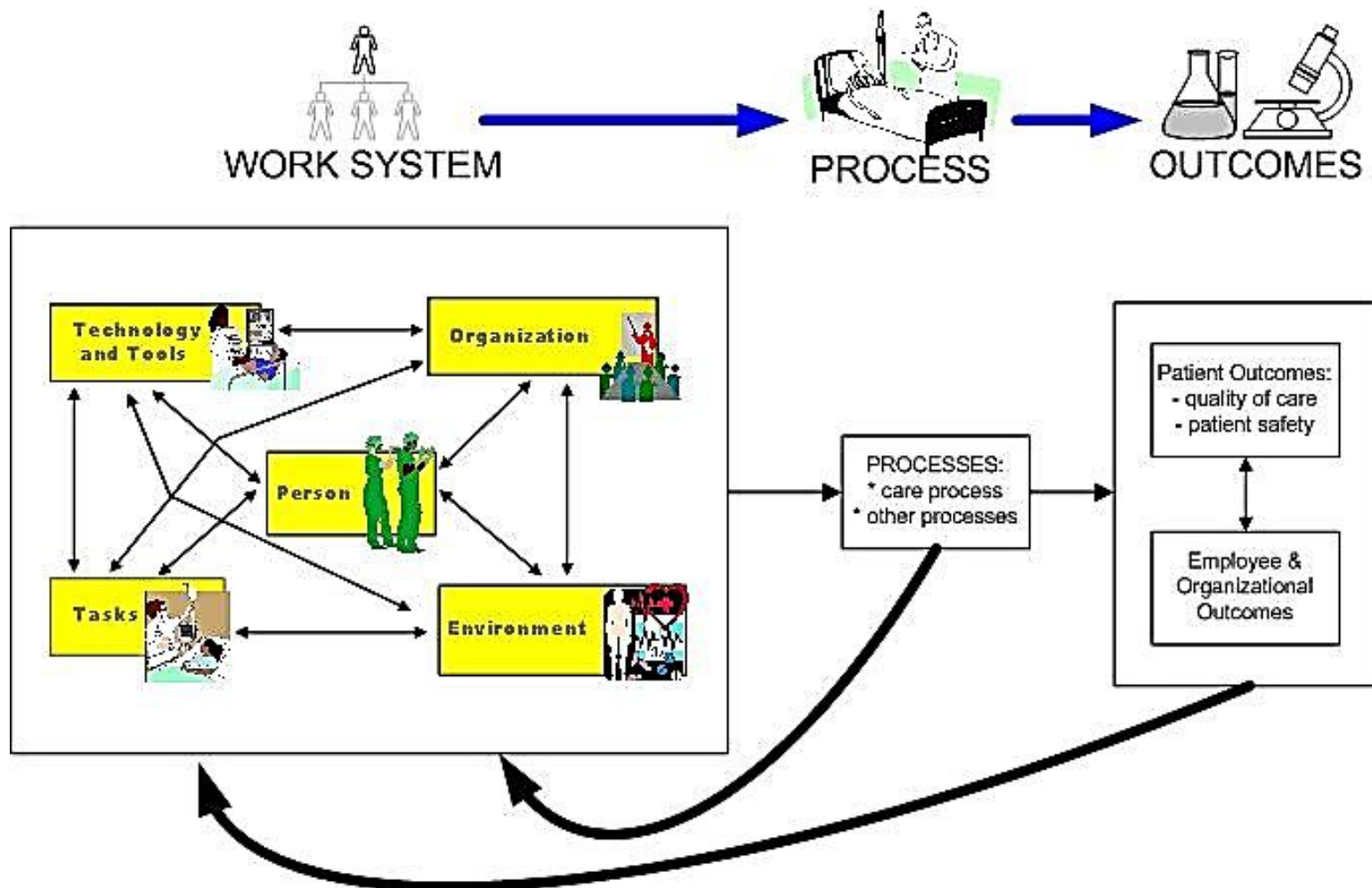
Identifying Hazards in the Cardiac Operating Room*

- Event-driven, nonlinear, unpredictable systems
- Team-based, high workload, interruptions
- TECHNOLOGIES in THE WILD! *



* Gurses et al., 2012 BMJ Q&S; Pennathur et al., Ergonomics, 2013

SEIPS Model of Work System and Patient Safety

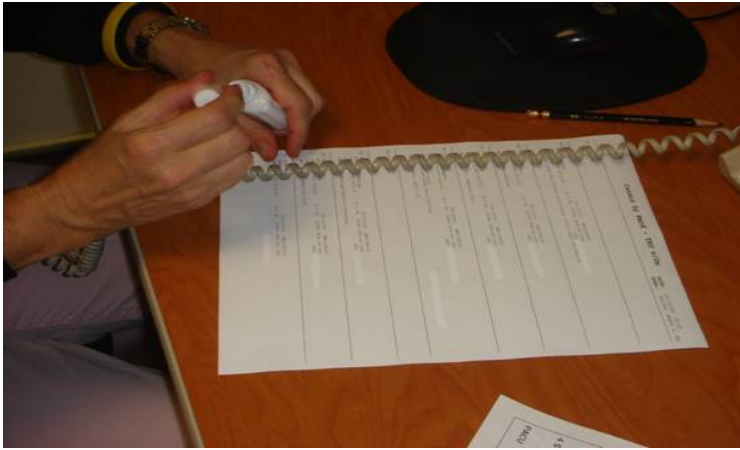


Systems Ambiguity*

- Task ambiguity
- Responsibility ambiguity
- Expectation ambiguity
- Method ambiguity
- Exception ambiguity

* Gurses et al. (2008) Systems ambiguity and guideline compliance, *BMJ Quality and Safety*, 17:351-359

Nurse Coordinator's Clipboard



Whitening out non-essential items



Cutting out unnecessary parts



Taping print-outs of two adjacent units



Transferring information from the old clipboard