

Simulation in pre-registration physiotherapy education: a scoping review

NR Heneghan, M Radones, Z Gaylani, CJ Minns Lowe, A Herbland, K Atkinson, K Beeton.
Department of AHP, Midwifery & Social Work.



Background: Practice based learning (PBL) is vital to professional practice registration. Advances in technologies & shortages in practice placements underpin a need to explore the use of simulation based learning (SBL) in physiotherapy pre-registration education.

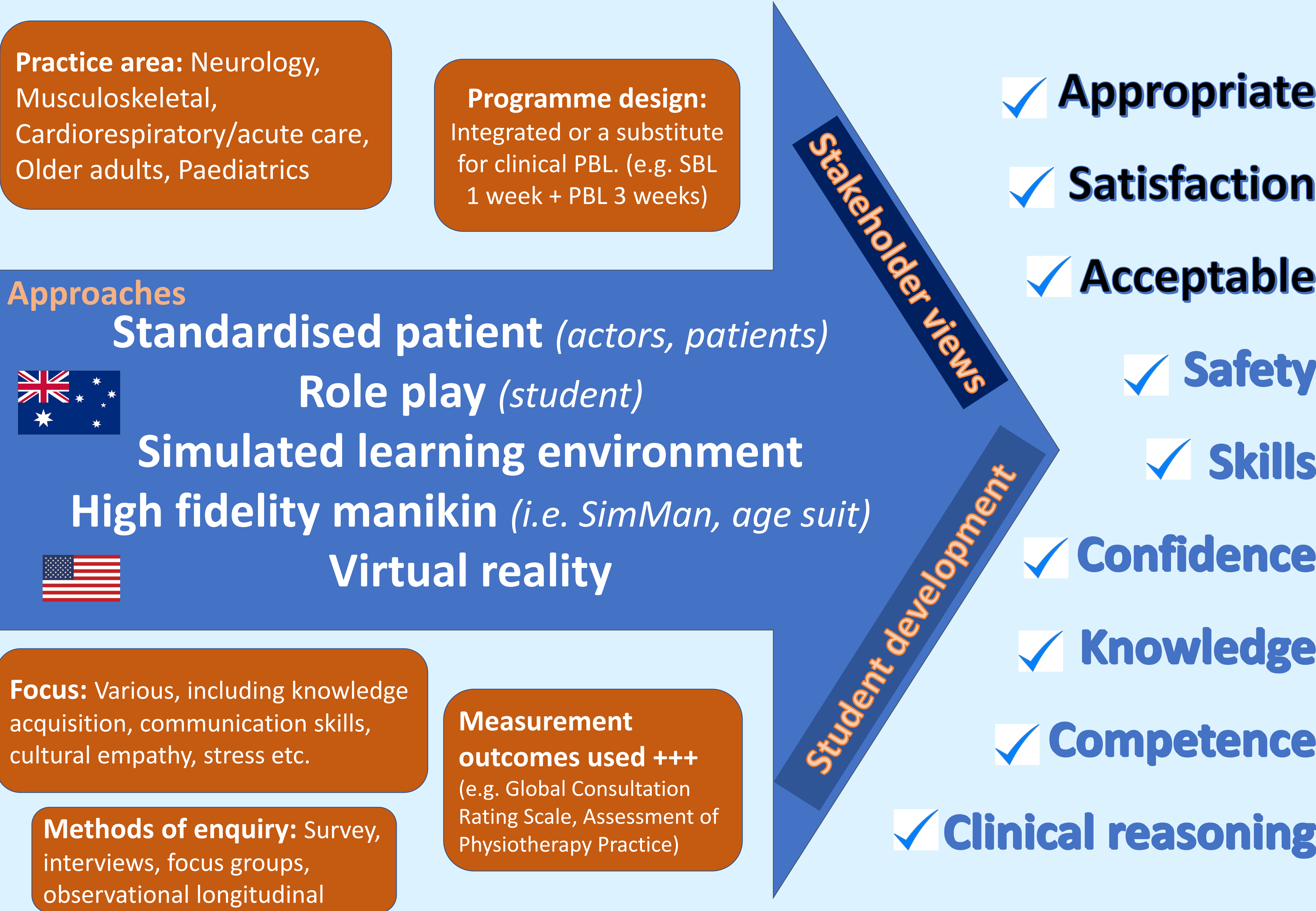
Aims: To explore SBL within physiotherapy pre-registration education

Methods: A scoping review was undertaken in line with Arksey & O’Malley (2005) framework. Three reviewers were involved in screening, selection, data extraction and charting data summaries.

- Eligibility criteria:** SBL within pre-registration physiotherapy education.
- Data sources:** MEDLINE, CINAHL, PEDro databases (inception to Oct 2021), grey literature, & key journals.
- Data extraction and synthesis:** study setting, location, aims (educational purpose), methods of enquiry, year group, practice area, duration, approach to SBL and outcome measures.

Results: Of 60 eligible sources just 30 were published in full. The majority were from Australia and USA, with most exploring different SBL approaches, stakeholder acceptability of SBL & student development of professional practice knowledge, skills, behaviours and attributes.

Areas of practice and focus of knowledge/skill acquisition varied considerably. Some studies investigated different curriculum/placement models (e.g. integrating SBL within traditional clinical PBL blocks). A plethora of outcome measures were reported, with just the Assessment of Physiotherapy Practice tool used more than once.



Conclusion: SBL offers considerable potential as an adjunct or substitute for traditional PBL. Findings reveal that pre-PBL SBL was positively received by key stakeholders, with students exhibiting development of knowledge, skills, behaviours & attributes with University-based SBL.