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# Using Technology to Enhance the Student Experience

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## Session objectives

- To provide an overview of the facilities within the Clinical Skills Centre
- To demonstrate the existing and new technology in the centre to support teaching and learning
- To share examples of using the technology to enhance the student experience





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## Clinical Skills Centre

Faculty resource and part of the Practice Learning Environment (PLE)

- Two 6 bedded wards
- High Dependency room
- Single room (child)
- Labour room
- Community setting
- Viewing room





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## The facilities



Click inside the box to view video





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## Technology in clinical skills centre

- 14 video cameras in skills centre
- Recording facility for each camera
- All audio linked
- 'Viewing screen'





# Technology in the clinical skills centre

- Viewing screen for camera system
- Lap top – Sim man programme
- Audio / visual system enables 'live' patient interaction
- Video recording system





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## Viewing room



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## Technology in the clinical skills centre

- Medium fidelity equipment (Sim man)
- 'Live' patient interaction
- Clinical Scenario in a controlled and forgiving environment





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## Sim Man



[Click inside the box to view video](#)





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## Sim man Computer programme

- Simulate reality
- Varying degrees of difficulty
- 'Free hand' or programmed
- Clinical staff involvement





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## Simulated ward exercise

- Stage 3 Nursing students
- 3 hour ward simulation with 12 volunteer patients
- Rotation - Medical / surgical / HDU

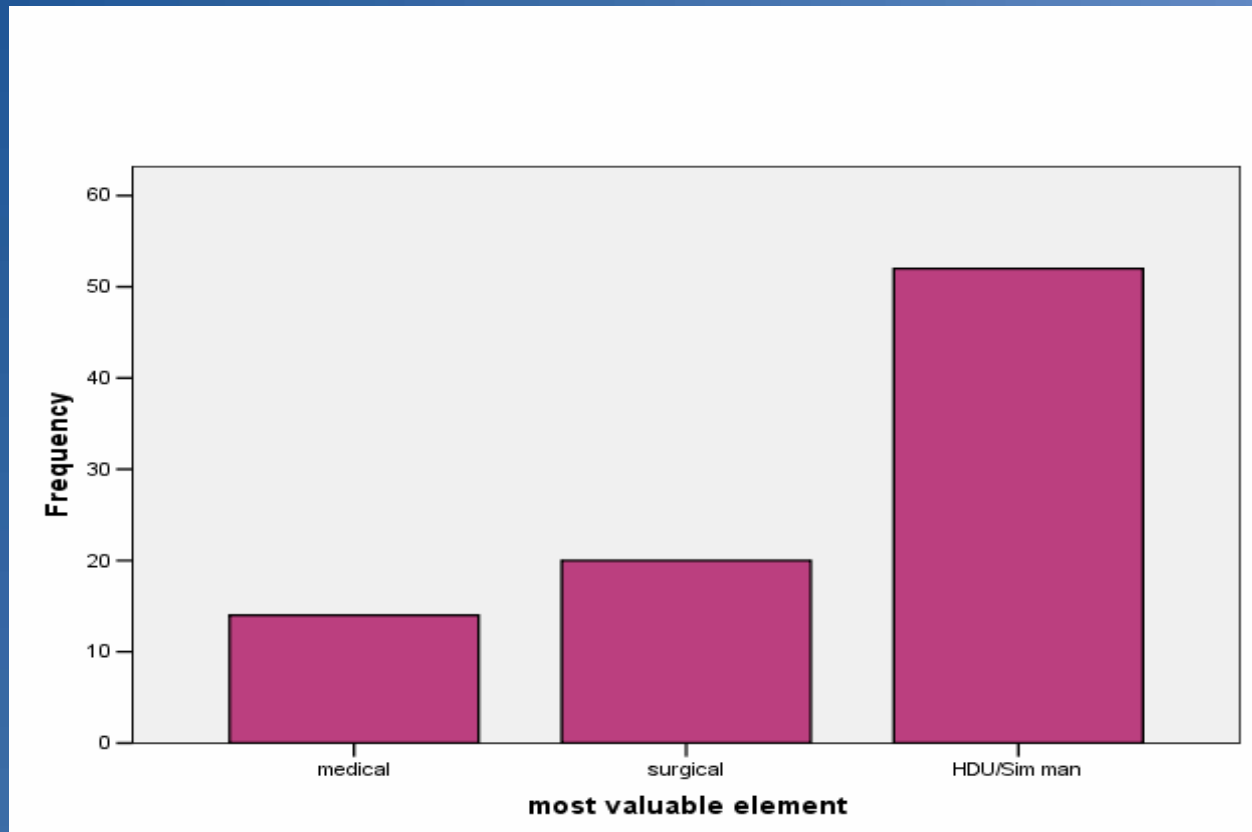
Technology facilitates HDU scenario

Introduce video in the feedback





90% said 'yes' it was a valuable learning experience





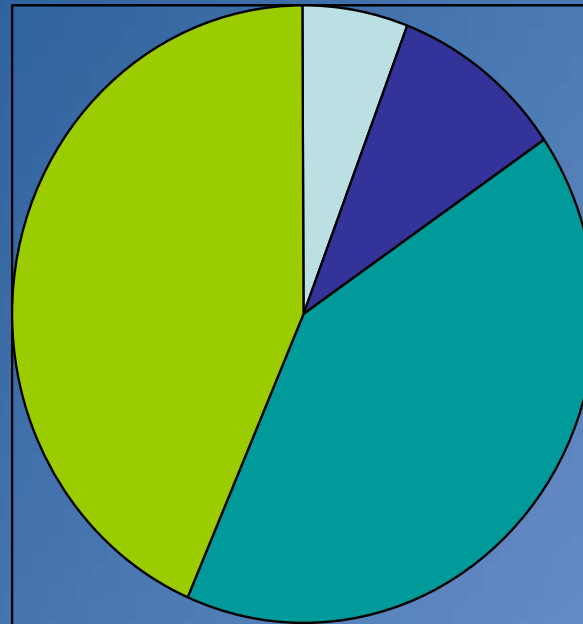
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- 86% students stated that the simulated ward exercise helped them identify further learning needs prior to clinical placement.





## Overall rating of exercise



poor fair good excellent





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## Camera link to Lecture Theatres

- Live link to our large Lecture Theatres from any of the cameras in clinical skills centre
- Enables 'live' skills demonstration

Increase early student exposure to clinical skills

Increase student interaction in a lecture / class

Innovative teaching strategy with large student numbers





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## LCD screens

- One in each 6 bedded ward
- Zoom facility allows 'close ups'
- Demonstration can be viewed in other ward area
- Linked to Virtual Campus to watch video clips

Facilitated open practice sessions

Student centred

Multiprofessional sessions





## External access

- No external access
- Use Intranet
- Convert from video to digital to place material on local intranet
- SMOTS system



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## New Technology in PLE

- Victims of own success
- Other Schools in the Faculty
- New initiatives stifled by timetabling issues
- Camera system in other areas of PLE





## New Technology in PLE

- State of the art SMOTS system
- Extra 15 cameras (12 static and 3 mobile)
- Continuous digital recording
- All audio linked allowing student / staff interaction
- Ability to “logon” to any of the cameras from any desktop either on-site or remotely
- ‘Viewing screens’





## Future

- Remote live access for pre and post registration students
- Video conferencing for clinical skills
- CPD



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# Thank you

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