

Improving the Procedural Skills Laboratory to offer more training opportunities for Healthcare Professionals

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Backgrounds and Aim(s):

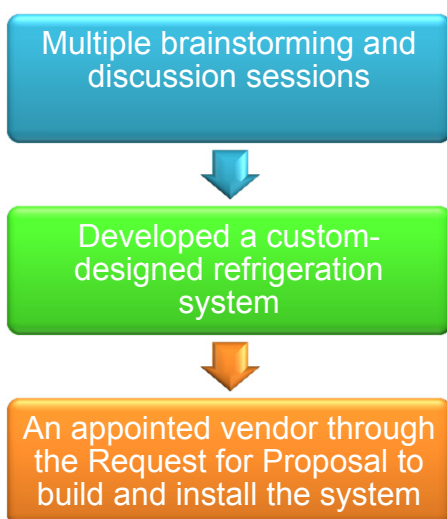
The Procedural Skills Laboratory (PSL) can accommodate only as many cadaver-based surgical skills training sessions as its storage capabilities allow. Cadavers being used for anatomy dissection courses had to be kept in the laboratory and preserved with mobile chillers. In the meantime, the occupied laboratory could not accommodate another training session. With the PSL moving to new premises in Academia, this project was initiated to increase the availability of the PSL for training sessions by improving its cadaveric storage capacity and operations.



Operation and Storage preventing training space availability

Methodology

- ✓ Multi-disciplinary team Approach
- ✓ Team Members: facility administrators, engineers, an anatomy technologist, laboratory technicians and procurement executives
- ✓ Process



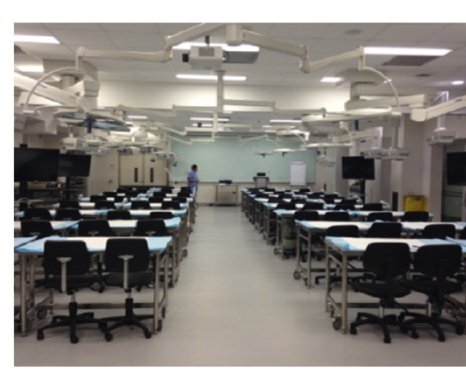
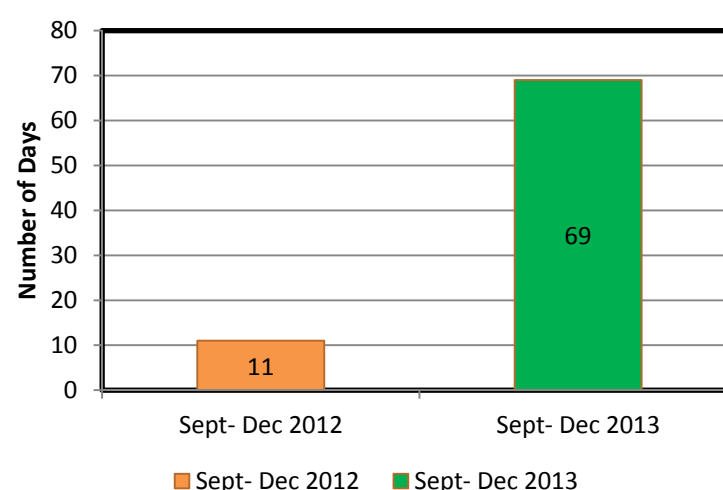
Result

The dual-temperature (freezer-chiller) walk-in cadaveric storage refrigeration system installed in the PSL at Academia in August 2013 can hold a total of 33 cadavers, and allows them to be stored and transported without being removed from dissection trolleys.

Another important outcome is the increase in work efficiency. Now, we only need 1 staff (instead of 2-3) to push the cadaver into storage.



Available Days for Training



More Opportunity for Education while the storage and operation issue has been solved

Conclusion

With the new system, during the four-month Duke-NUS Graduate Medical School Anatomy course, the number of days that the PSL was available for booking increased from 11 in 2012 and to 69 in 2013. This translates into increased facility utilisation, and more importantly, more skills training opportunities for healthcare professionals.