Overview of robotic cancer surgery in a tertiary public hospital

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Background

At Royal Prince Alfred Hospital (RPAH), a research framework has been designed and implemented to govern the use of the Da Vinci robot in the public sector. Since its purchase in 2015, all robotic procedures within the SLHD have been involved in a research project and has allowed researchers and clinicians to capture data unique to robotic assisted surgery (RAS). As a result this has facilitated further investigations around the safety, effectiveness and the patient reported outcomes. The timeline below demonstrates the milestones achieved by the RAS team at RPAH.

Conclusions

RAS has been taken up by many specialities at RPAH and this has allowed us to be a campus with the most specialities at any one time in Australia. This has also contributed to the development of various research studies including three clinical trials. Using research as a gatekeeper for the implementation of new technology in clinical practice has allowed for routine data collection surrounding RAS for cancer. This will allow for better analysis of outcomes and provide a more comprehensive understanding of the impact of RAS within society, in particularly, within the public sector.

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