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www.med.monash.edu.au/surgery/alfred/

The Monash Department of Surgery at The Alfred is a department of the Monash University Central Clinical School and is affiliated with the Department of Surgery at Cabrini Health, headed by Associate Professor Paul McMurrick. Associate Professor McMurrick has an academic interest in colonic cancer research and medical education, and has developed a Monash-wide colorectal surgery database with Monash colorectal surgeons.

The Monash Vision Direct to Brain Bionic Eye project began in 2010. Professor Rosenfeld is a principal investigator with a team of experts in engineering, physiology, ophthalmology and medical imaging who, in partnership with industry, aim to restore some useful vision to selected blind individuals. The Monash Vision Direct to Brain Bionic Eye project is developing a cortical implant in contrast to a retinal implant. This approach may have a wider range of applications than the retinal device.

Professor Jonathan Serpell, Head of General Surgery at The Alfred, has developed a Monash-wide endocrine surgery database and continues to promote and conduct a wide range of surgical research activities at The Alfred. Professor Russell Gruen is Director of the National Trauma Research Institute (NTRI), Professor of Surgery and Public Health at Monash University, and a general and trauma surgeon at The Alfred. Under his direction, NTRI leads improvements in the care of severely injured people locally, nationally and internationally through stakeholder dialogue, research leadership, knowledge translation and performance improvement activities.

The Department of Surgery has many dedicated adjunct staff members who contribute to its research programs and are actively engaged in the teaching of Monash University medical students. The Department of Surgery encourages medical students at Monash University who are interested in surgical careers and promotes the Bachelor of Medical Science program.

The DS Rosengarten Surgical Trainee Research Prize for 2010 was awarded to Master of Surgery student, Dr Krish Chaudhuri.

Associate Professor Cristina Morganti-Kossmann heads the Basic Research group at the National Trauma Research Institute.



A patient in the Burns Unit with Dr Heather Cleland (centre), Director, Victorian Adult Burns Service and Yvonne Singer, Victorian State Burns Education Program Coordinator.

Current Projects Burns Laboratory

- Cellular therapies for burn wound management/skin tissue engineering
- Burn wound clinical management protocols
- Mortality and long term outcomes after severe burn injury
- Australian and New Zealand Burns Quality Registry (with DEPM)

Cardiothoracic Surgical Research

For a list of current projects, see page 31.

General Surgery Research – Breast, Endocrine, Colorectal and Upper Gastrointestinal

For a list of current projects, see page 41.

Neurosurgical Research

For a list of current projects, see page 55.

Orthopaedic Research

For a list of current projects, see page 61.

Trauma Research

For a list of current projects, see pages 52-53.

Postgraduate Students

6 PhD Students
2 Masters Students

Publications

38 Journal Articles
2 Book Chapters