

Project Title	Audit of Invasive Fungal Infection in haematology patients on antifungal prophylaxis
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Lead discipline (please select one)

Medicine

Outline of the project 250 words max

Identify the incidence of Invasive Fungal infection (IFI) in haematology patients who are immunocompromised. IFI are associated with high morbidity and mortality. Patients on high-risk protocols all receive antifungal prophylaxis. Therapeutic antifungal therapy is based on proven, probable or possible fungal infections using the EORTC/MSG guidelines.

Proposed research methods

This is a retrospective audit, reviewing patients from 2017 to 2021. There will be review of patient medical records, pharmacy (AMS) antifungal dispensing data, confirmation of compliance with antifungal prophylaxis therapy, imaging results, bloods, microbiology and histological results and clinical information relevant to the study.

Preferred study discipline being undertaken by the student

Medicine, Pharmacology, Epidemiology

Benefits to the student and to the department

Students will develop an understanding of morbidity and mortality of IFI in haematological immunocompromised patients, as well as the treatment strategies for patients.

Alignment with Government Research Priorities 100w max

This audit will assist with future strategies for reduction of IFIs in this vulnerable patient group, as well assist with strategies to prevent death in this group with the database.

Department within ACT Health Directorate / Canberra Health Services where the student will be based

Department of Haematology

Please submit form to preclinical.research@act.gov.au