

2016/2017 Summer Studentship Project Application Form

Send to: Research Office, University of Otago Christchurch, PO Box 4345, Christchurch, by 5pm on 4 July 2016

Supervisor Information (First named supervisor will be the contact):

First **Supervisor's** Name and Title: Dr Erik Monasterio erik.monasterio@cdhb.health.nz

Department - UOC &/or CDHB (if applicable): Forensic Psychiatry/ Dept. of Psychological Medicine

First Supervisors Phone: 0272188497 / (03) 3391148

Email:

First Supervisors Mailing Address: FCT – Hillmorton Hospital, Annex Rd, Christchurch

Co-Supervisors Name and Title(s): Andrew McKean (Sr Pharmacist), Jane Vella Brincat, Dr Paul Chin (Clin Pharmacology)

Research Category (Choose one category only – to be used for judging the students' presentations):

Clinical

Laboratory

Community

Project Title (20 words MAXIMUM):

A naturalistic study of outcomes with olanzapine long acting injection

Project Description:

Introduction:

Olanzapine is an atypical antipsychotic that has been shown to be more effective than a number of other antipsychotics in both chronic and first presentation schizophrenia (CATIE Study etc). Olanzapine tablets are now off patent and very cheap.

With the introduction of a long acting injection versions of olanzapine, it would be interesting to know if this has positive outcomes for patients. This is important to know, as this is significantly more expensive than oral olanzapine and requires considerable resource to run administration clinics to give the olanzapine long acting injection (LAI).

Aim:

To examine the impact of olanzapine LAI use on the number of days patients are admitted to hospital

Possible impact (in lay terms):

If patients on olanzapine long acting injection had fewer days in hospital in the year a pharmacoeconomic argument may be able to be made for the use of this expensive treatment.

Method:

Patients started on the olanzapine LAI over the past year will be identified from Medchart (n=~70/year). Data will then be collected on these patients from clinical notes including indication, age, gender and ethnicity. The number of days spent in hospital in the 12 months before and 12 months after starting olanzapine LAI will be recorded along with how long they remained on it. The use of olanzapine LAI in mental health act patients will also be compared with those being treated but not under the mental health act. Exclusions: long term forensic patients that can't be discharged until safe in the community.

