



University of the Third Age

U3A Dunedin Charitable Trust

A LEARNING OPTION FOR THE RETIRED

Series 1 ~ 2016

Advances in Medical Diagnosis and Treatment

Dates: Friday 4 March to Friday 15 April

Time: 10:00am – 12:00 noon

Venue: Leith Bowling Club, 2 Duke St, Dunedin

Enrolments for this course will be limited to 110

Course Fee: \$45.00

Tea and Coffee provided

Course Organiser: Gil Barbezat

Email: barbezat@clear.net.nz

Course Assistant : Brian Robinson

You may apply to enrol in more than one course. If you wish to do so, you must rank your choices when you apply, and complete payment of the appropriate fee(s) by Internet banking (include Membership No in Reference box) or by cheque (to: U3A Dunedin).

All applications must be received by **Wednesday 10 February 2016** and you will receive a response to your application by 19 February 2016.

Any questions concerning enrolment or the ballot decisions should be addressed to Marion Potter, phone 453 4721, email: mw.potter42@gmail.com
Or the Programme Convenor.

Postponements:

Check the website: u3adunedin.org.nz or listen to:

The Breeze 98.2 FM, Radio Dunedin 99.8 FM, MoreFM 97.4 FM

Please note, that there is to be no recording, photographing or videoing at any session in any of the courses.

Please keep this brochure as a reminder of courses you wish to attend.

Advances in Medical Diagnosis and Treatment

4 March: Imaging in Diagnosis and Treatment

Drs Neil Morrison and Gabriel Lau (Otago Radiology, and Southern District Health Board)

Conventional radiology has progressed from the traditional X-ray. Dr Gabriel Lau will describe how ultrasound, computerised tomography (CT scan) and magnetic resonance imaging (MRI) have been of major assistance in the diagnosis and management of disease.

Interventional radiology is a specialty which provides minimally invasive image guided diagnosis and treatment. Dr Neil Morrison will take us on a journey to demonstrate the capabilities of his specialty.

11 March: Transplantation

Professor John McCall (Department of Surgical Sciences, Dunedin School of Medicine, University of Otago, and Southern District Health Board)

Solid organ transplantation has evolved from being a radical idea to a life saving standard of care treatment. The history of solid organ transplantation will be outlined using liver transplantation as an exemplar. The story will encompass advances in surgical technique and peri-operative care, transplant immunology (understanding rejection), and problems related to long-term immunosuppression. Outcomes will be presented using New Zealand data, and challenges and opportunities will be discussed.

The second session will focus on discussion of some of the ethical issues and challenges in transplantation.

18 March: Cancer

Dr Chris Jackson (Department of Medicine (Oncology), Dunedin School of Medicine, University of Otago, and Southern District Health Board)

Cancer is the leading cause of death in New Zealand. These lectures on cancer will address:

The biological basis of cancer.

The burden of cancer in our community.

What is cancer screening.

Are the new immune therapies going to cure cancer?

Political issues facing funding of cancer treatment.

What can YOU do about your risk of cancer?

1 April: Advances in Laboratory Medicine

Dr James Ussher (Microbiologist, Dunedin School of Medicine, University of Otago) and Professor Ian Morison (Department of Pathology, Dunedin School of Medicine, University of Otago, and Southern Community Laboratories)

Dr Ussher will talk around current advances in microbiology and what is on the horizon.

Professor Morison will show how diagnostic laboratory testing has seen extraordinary changes in test sophistication and speed over the past few decades. What is genome sequencing and how will it shape the future laboratory?

8 April: Screening

Associate Professor Brian Cox (Department of Preventive and Social Medicine, Dunedin School of Medicine, University of Otago)

The difference between screening for disease and the investigation of symptoms will be outlined. Why is greater organisation and co-ordination of health services required to achieve its effect on disease in the target population. The fundamental effects, such as over-diagnosis, lead time, and length bias, on the evaluation of the value of screening will be illustrated using breast, cervix, bowel and prostate cancer screening.

15 April: Advances in Endoscopy

Dr Jason Hill (Gastroenterology Department, Southern District Health Board)

This session will cover some of the truly revolutionary changes that have occurred in the last half century as the result of flexible safe endoscopes, in the understanding and treatment of oesophageal diseases, peptic ulcer, diseases of the colon, and biliary/pancreatic diseases, and in the development of wireless capsule technology and natural orifice transluminal endoscopic surgery (NOTES).