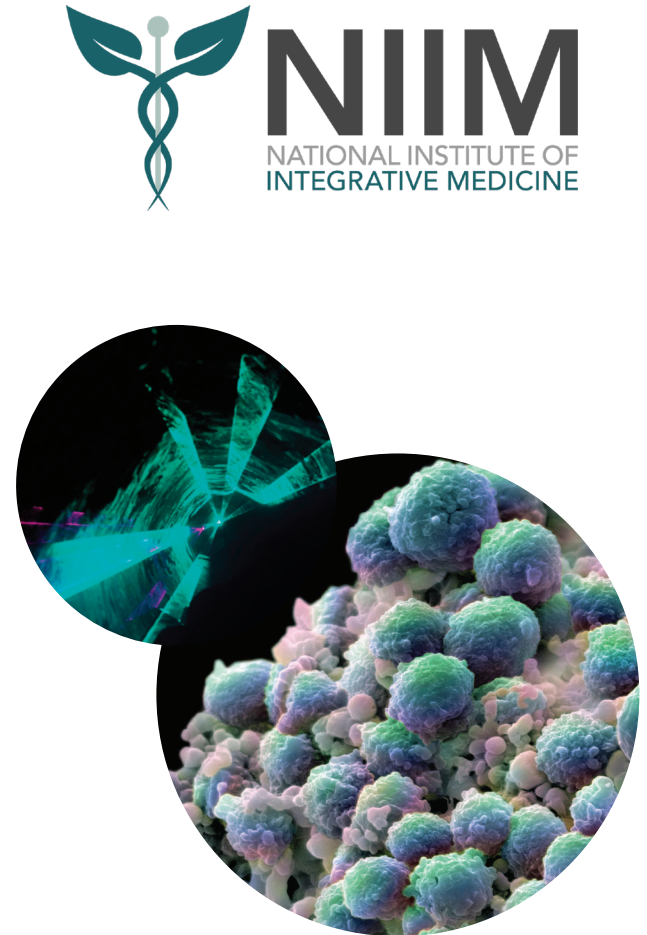
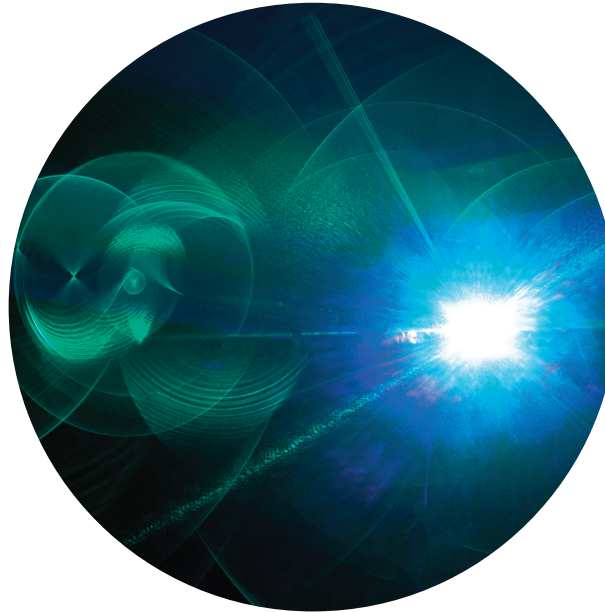


PROSTATE CANCER IS THE MOST COMMON CANCER IN MEN, AND THE SECOND LEADING CAUSE OF CANCER DEATHS (25%) IN AUSTRALIA. ONE-IN-SEVEN AUSTRALIAN MEN WILL BE DIAGNOSED WITH PROSTATE CANCER BY THE AGE OF 85, WITH MORE THAN 3,300 MEN DYING EACH YEAR.

THERE IS A NEED FOR BETTER TREATMENT, COMBINED WITH RELIABLE ASSESSMENTS OF TREATMENT EFFECTIVENESS.



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The Prostate Cancer Photodynamic Therapy (PDT) Study



The National Institute of Integrative Medicine (NIIM) is conducting a Prostate Cancer Photodynamic Therapy (PDT) Study, led by Investigators Dr Donald Murphy (Emeritus Urological Surgeon), A/Prof Karin Ried (Director of Research, NIIM), and Prof Avni Sali (Director, NIIM).

This three month intervention study aims to assess the treatment effectiveness and safety of PDT for patients with biopsy proven prostate cancer using fluorescent photography imaging plus pre / post urinary proteomics (analysis of proteins in the urine) and Circulating Tumour Cell (CTC) specimen analyses.

Key Personnel:



Dr Donald Murphy
MBBS, FRACS, MD
Emeritus Urological Surgeon



A/Prof Karin Ried,
PhD, MSc, GDPH, Cert Integrative
Medicine, NIIM Director of Research



Prof Avni Sali AM
MBBS, PhD, FRACS, FACS, FACNEM,
Founding Director, National Institute
of Integrative Medicine

For our research we are seeking 50-80-year-old males who would like to participate in this study.

- Men between 50-80 years diagnosed with biopsy proven primary prostate cancer
- Men diagnosed with local prostate cancer relapse after treatment
- Not planning other medical treatment including vaccinations during the 3-month study
- Not presenting with secondary metastatic prostate cancer.

How this study may benefit participants

- No costs associated with the tests and treatment in this study
- The only treatment of its kind available in Australia
- The PDT laser treatment may be effective in treating local prostate cancer, however there may be no benefits to you.

What's involved?

1. Eight visits to NIIM (Melbourne) over 3 months.
2. The first and the last visit will take about 30 minutes and will involve blood test, urine test, and questionnaires.
3. Twelve treatment sessions on six days. Participants need to consider 3 x 2 full days for treatment.
4. The morning (AM) PDT laser session of 25 minutes is followed by 4 hours break, leading to the 2nd afternoon (PM) PDT laser session lasting 25 minutes.
5. A subgroup of participants may be eligible also for the lightbed cancer treatment study.

Light-Bed PDT Study

The NIIM research team is also conducting research monitoring the treatment effect of photo-dynamic therapy using a lightbed (Light-bed-PDT) in cancer patients by Circulating Tumour Cell (CTC) analysis

Prevalence of cancer diagnosis is high and attributable to 30% of all deaths in Australia. There is a need for better treatment combined with reliable assessments of treatment effectiveness. This pilot intervention study aims to assess the treatment effectiveness and safety of Light-bed-PDT for patients with cancer using Circulating Tumour Cell (CTC) specimen analyses.

What is Photodynamic Therapy (PDT)

PDT consists of two steps, the oral administration of a chlorophyll-based algal-derived food-grade liquid photosensitiser (Step 1), followed by LED light therapy the next day (Step 2).

The photosensitiser has been shown to concentrate in cancer cells and is activated by light from Laser or Light Emitting Diodes (LED) inducing cancer cell death, while also stimulating the immune system.

For the Light-bed PDT study we are seeking adults diagnosed with any type of cancer.

The first and the last visit will take about 15-30 minutes and will involve a blood test and questionnaires.

Please note the light activation is done with a laser for the prostate PDT study and LED light in the light-bed study.

More information can be found at:
<http://niim.com.au/lightbed>
<http://niim.com.au/PDTstudy>