



# Research report

Sir Charles Gairdner Osborne Park Health Care Group 2024 - 2025



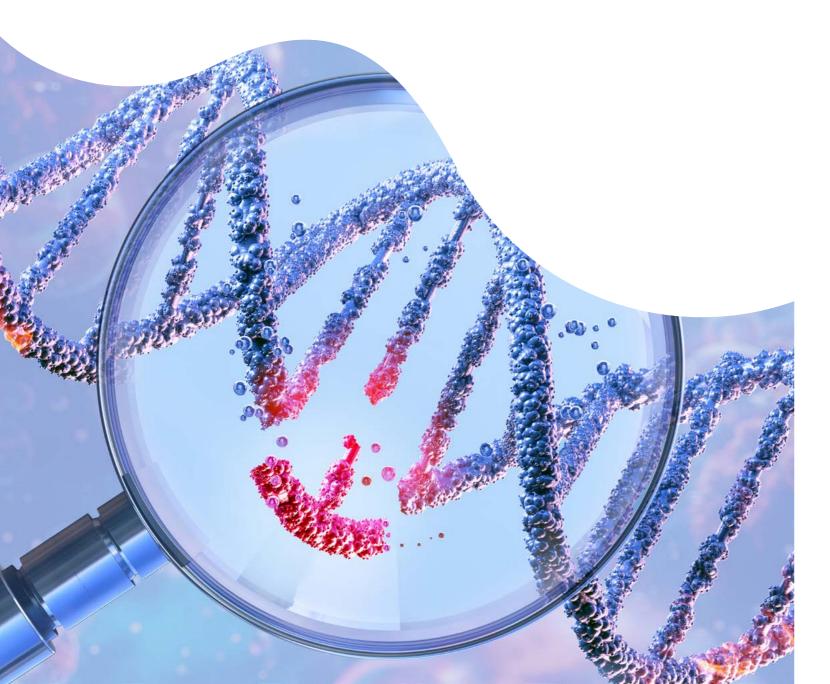
## **Executive summary**

This report demonstrates the valuable contribution the SCGOPHCG Department of Research makes in supporting the research community at both sites.

SCGOPHCG places great emphasis on research as a cornerstone of providing healthcare grounded in evidence. This approach is pivotal to achieving better health outcomes for our patients and their families, as well as our dedicated staff, the broader community we serve and our organisation as a whole.

We actively cultivate a culture that values and promotes engagement in research, fostering high-quality research through collaborations with international, national and local partners. These collaborations involve consumers, healthcare providers, the Charlies Foundation for Research, research institutes and universities.

Through these partnerships, our goal is to enhance health and wellbeing by advancing interdisciplinary healthcare, generating new knowledge and fostering the exchange and growth of skills and expertise.



## SCGOPHCG Research Strategy 2024-2034

We are focused on strengthening our research program to grow capability, attract funding, and drive transformative health solutions for better outcomes as a key priority in our strategic plan. To align with the WA Health and Medical Research Strategy 2023-2033 vision of becoming a collaborative, consumer-driven ecosystem that leads impactful research, our research strategy is focused on:



#### Capacity building

- Develop and strengthen research skills and resources
- Grow relationships across research stakeholders and the community
- Build a purposedriven and positive research culture
- Streamline processes from idea to impact
- Develop expertise in leading research initiatives and establish a respected global reputation.



## Knowledge generation, translation

- and implementationCo-design research priorities
- Generate and translate knowledge that drives sustainable and economically viable best practice
- Evaluate outcomes and dissemination of knowledge.



#### Research impact

- Demonstrate growth in research knowledge, capacity and health and societal benefits
- Assess the organisational return on investment of research efforts
- Track research impact to align outcomes with research priorities.



#### Infrastructure

- Grow access to research education, resources, and support
- Integrate business support services to promote efficiency and assess performance
- Build researcher communities of practice, research networks and collaborative zones.

The main research strategic priority for 2025 is a gap analysis to strengthen SCGOPHCG's ongoing accreditation readiness against the National Clinical Trials Governance Framework.

The Department of Research will work as part of NMHS to progress the Research and Innovation Strategy, which includes wide consultation, testing, validation and implementation for an estimated launch in November 2025.

An additional focus will be strengthening research capabilities with strategic reinvestment of Research Infrastructure Support grant funding to support the sustainable growth of our research environment and infrastructure.



## Research activity

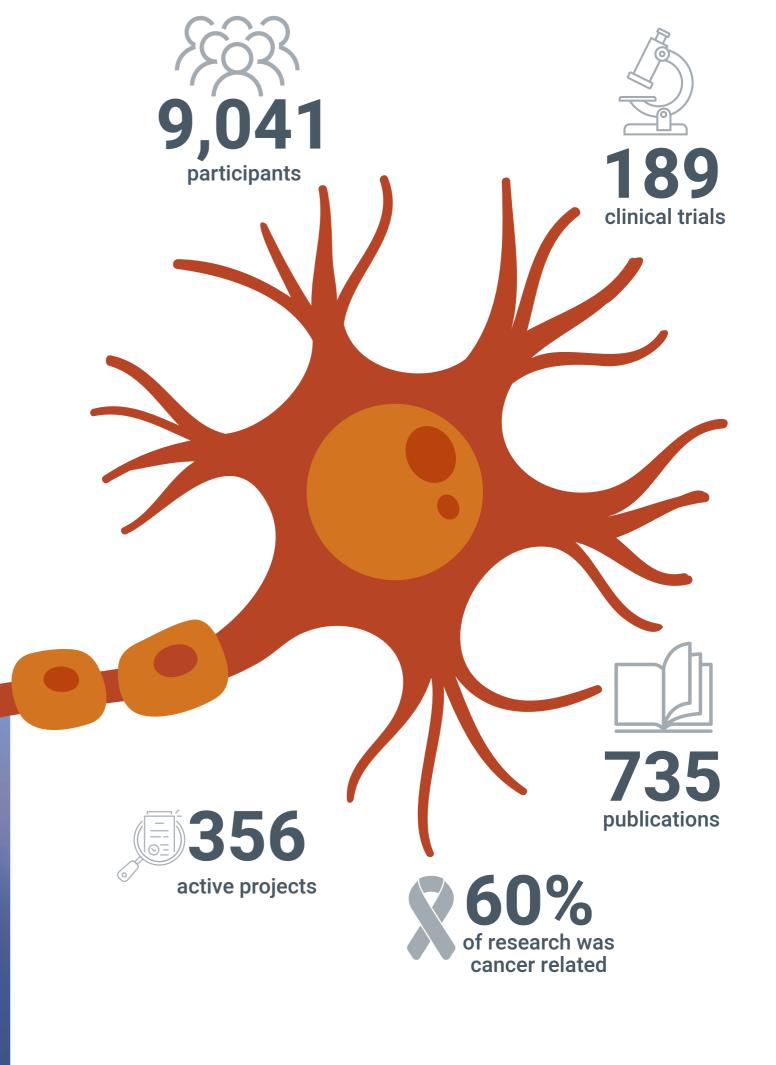
A total of 356 projects were active within the reporting period. Of these 205 (58%) went through a National Mutual Acceptance (NMA) ethics process, and 151 (42%) were approved via a non-NMA ethics process.

These projects were across three main risk types: 'minimal', 'low', and 'more than low risk'. The majority of research active projects (n=247, 69%) were considered 'more than low risk'. The most research was cancer related (n=215, 60%) and the majority of allied health-led research was undertaken at OPH (n=13, 54%).

There were 189 (53%) clinical trials underway in this reporting period. Just over half were commercially sponsored (n=98, 52%), with the majority being Phase III trials (n=65). The rest of the projects (n=167, 47%) were considered non-clinical trials; however, 12 (7%) were commercially sponsored.

In the 2024-2025 reporting period, 5,057 participants were expected to be recruited across all the active studies. The actual recruitment of participants in this reporting period was 9,041.

Artistic conception of active synaptic transmission in the human brain



## New research authorised 1 July 2024 – 30 June 2025

#### PRN Title

Tηβ-Hydroxysteroid
Dehydrogenase type
13 Minimization for
the treatment of NASH
(HORIZON): A DoubleBlind, Placebo-Controlled
Phase 2b Study to
Evaluate the Efficacy and
Safety of GSK4532990 in
Adults with Nonalcoholic
Steatohepatitis

ARASTEP: A randomized, double-blind, placebo-controlled Phase 3 study of darolutamide plus androgen deprivation therapy (ADT) compared with placebo plus ADT in patients with high-risk biochemical recurrence (BCR) of prostate cancer

Can Molecular Testing in Early Stage Non-Small Cell Lung Cancer Identify Patients at Risk of Recurrence Post Resection?

RAMP 301: A Phase 3, Randomized, Open-Label Study of Combination Therapy with Avutometinib plus Defactinib Versus Investigator's Choice of Treatment in Patients with Recurrent Low-Grade Serous Ovarian Cancer (LGSOC)

Neo-antigen immune response in tumour draining lymph nodes, non-tumour draining lymph nodes and peripheral blood in patients with non-small cell lung cancer.

#### PRN Title

A Phase II, Multicenter, Double Blinded, Randomized, Placebo Controlled, Parallel-Group, Single-Dose Study to Determine the Safety, Preliminary Efficacy, and Pharmacokinetics of ARG-007 in Acute Ischemic Stroke Patients

MajesTEC-7 - A Phase 3 Randomized Study Comparing Teclistamab in Combination with Daratumumab SC and Lenalidomide (Tec-DR) and Talquetamab in Combination with Daratumumab SC and Lenalidomide (Tal-DR) versus Daratumumab SC. Lenalidomide, and Dexamethasone (DRd) in Participants with Newly Diagnosed Multiple Myeloma Who are Either Ineligible or not Intended for Autologous Stem Cell Transplant as Initial Therapy

Can Intracardiac
Echocardiography
Catheter IVUS
assessment of
inferior vena cava /
retroperitoneal tumour
interface predict
the need for caval
replacement and ECMO
during tumour resection?

The Australia and New Zealand Multicentre
Upper Gastrointestinal
Endoscopic Tissue
Resection Study

#### PRN Title

MRDR: Myeloma and Related Diseases Registry

Social Anxiety Disorder Program Evaluation In Community Mental Health

Detecting dysplastic lesions in Barrett's esophagus using artificial intelligence (EMBARC)

Oncogenic Drivers in
Advanced Squamous
Non-Small-Cell Lung
Cancer: a real-world
assessment.

ASPIRE -Australian Particle Therapy Clinical Quality Registry

Multicentre, adaptive, double-blind, three-arm, placebo-controlled, noninferiority trial examining antimicrobial prophylaxis duration in cardiac surgery

A Phase 2 Randomised
Controlled Trial of
Sodium Selenate as
a Disease Modifying
Treatment for Chronic
Drug-resistant Temporal
Lobe Epilepsy

SOUNDTRACK-F1 - A
Phase III, Multicentre,
Randomised, Open-label
Study to Compare the
Efficacy and Safety of
AZD0486 plus Rituximab
versus Chemotherapy
plus Rituximab in
Previously Untreated
Participants with
Follicular Lymphoma

#### PRN Title

Referral practices
for people at-risk of
Huntington's disease
with psychiatric
presentation to Western
Australian public health
services

Minimising Oral Corticosteroid use in Asthma using Treatable Traits

Mobile-based Pupillometry for early diagnosis of Alzheimer's Disease

A randomized, placebocontrolled, double-blind, multi-center, phase III trial to assess the efficacy and safety of trimodulin (BT588) in adult hospitalized subjects with severe community-acquired pneumonia (sCAP)

Access to optimal ovarian cancer care: An investigation of clinical trials awareness and participation

Evaluation of geographic variations in appendicectomy outcomes within Western Australia assessing the impact of surgical wait times and rate of negative appendicectomies in both urban and rural locations statewide

#### PRN Title

TroFuse 020: A Phase
3 Randomized, Activecontrolled, Open-label,
Multicenter Study to
Compare the Efficacy
and Safety of MK2870 Monotherapy
Versus Treatment of
Physician's Choice as
Second-line Treatment
for Participants with
Recurrent or Metastatic
Cervical Cancer

Development, implementation, and evaluation of strategies to support nurse middle managers.

The sedentary behaviour and physical activity patterns of adults in hospital: A prospective observational study

A pilot study of the utility of Prostate
Specific Membrane
Antigen (PSMA) Positron
Emission Tomography
(PET) imaging in
locoregional response
prediction and survival
in hepatocellular
carcinoma (HCC)

Neck CT-angiogram findings in non-fatal strangulation: a retrospective 10-year review to determine incidence of vascular, bony and soft tissue injuries.

Treatment Package Time in Cutaneous Squamous Cell and Basal Cell Carcinomas

## PRN Title

KRT-232-115 A phase 3, randomized, double-blind, add-on study evaluating the safety and efficacy of Navtemadlin plus Ruxolitinib vs placebo plus Ruxolitinib in JAK inhibitornaïve patients with myelofibrosis who have a suboptimal response to Ruxolitinib

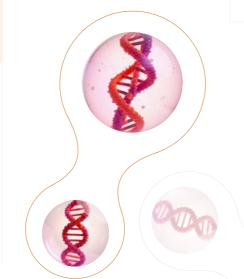
Exploring the accuracy of hepatocellular carcinoma predictive models in MASLD: a retrospective cohort study

Can an early ED allied health service improve patient and system outcomes for frail older adults? A before and after intervention study

First in Human Study of Middle Meningeal Artery Embolisation with the Arsenal Medical NeoCast Embolic System for the Treatment

Anti-NMDA Receptor Encephalitis in Western Australia

OPERATE: Older Persons Early Recognition, Access and Treatment in Emergencies - NMHS Intervention Evaluation



#### PRN Title

DESTINY BTC-01:
A Phase 3 Study
of Trastuzumab
Deruxtecan (T-DXd)
and Rilvegostomig
versus Standard-of-Care
Gemcitabine, Cisplatin,
and Durvalumab for First
Line Locally Advanced
or Metastatic HER2expressing Biliary Tract
Cancer (DESTINY
BTC01)

A Phase 3, randomized, modified double-blind, active-controlled, parallel-group, 2-arm study to investigate the safety and immunogenicity of a 4-dose regimen of a 21-valent pneumococcal conjugate vaccine in healthy infants and toddlers

AK-US-001-0106: A
Phase 3, Randomized,
Double-Blind,
Placebo-Controlled
Study Evaluating the
Safety and Efficacy
of Efruxifermin
in Subjects with
Compensated Cirrhosis
Due to Nonalcoholic
Steatohepatitis
(NASH)/Metabolic
Dysfunction-Associated
Steatohepatitis (MASH)

Real-world multicentre study of efficacy and safety of Atezolizumab plus Bevacizumab for Hepatocellular Carcinoma (HCC)

#### PRN Title

A phase 3 open-label, randomized, controlled study to evaluate the efficacy and safety of petosemtamab compared with investigator's choice monotherapy treatment in previously treated patients with incurable, metastatic/recurrent head and neck squamous cell carcinoma

The Australian experience with avacopan in vasculitis

Designing and implementing novel health informatics approaches to improve outcomes for people with mild TBI across Australia (AUS-mTBI APP)

The effectiveness of Silver Fluoride and Teledentistry in managing and preventing childhood dental decay among Aboriginal children in remote communities

ePAD electronic Prostate
Cancer Australian
Database: Analyzing
Treatment Patterns
and Outcomes from
Real-World Patients
with Advanced Prostate
Cancer

TRACIE: TRodelvy use in AdvanCed Triple
Negative BrEast Cancer in Australia

#### PRN Title

CASPER: Colchicine
After Stroke to Prevent
Event Recurrence. A
randomised trial to
evaluate the efficacy
of oral Colchicine
in high risk patients
with atherosclerosisassociated inflammation
post stroke.

An investigation of the prevalence and risks of Outpatient Parenteral Antimicrobial Therapy (OPAT) in patients undergoing long-term treatment

Does Collective
Singing Improve Health
Outcomes in Inpatient
Rehabilitation? An
Investigation into
Psychological Wellbeing
and Pain perception

Can early occupational therapy reduce lymphoedema in patients following head and neck cancer treatment?

An implementationeffectiveness trial
investigating feasibility,
safety and efficacy of
Best pRacticE guideline
cAre physioTHErapy with
addition of protocolised
ventilator hyperinflation
on patient-important
outcomes for critically
ill adults intUbated
and ventilated with
Pneumonia.
(BREATHE UP)

Asciminib evaluation in newly diagnosed CML with Dasatinib to augment response in complex genomic etiology

#### PRN Title

Improving pain
assessment for
patients with cognitive
impairment in the
emergency department

AusNanoMED: Australasian nanoparticle-mediated magnetically enhanced diffusion for ischemic stroke

The Western Australian Biologics and Immunosuppressant Registry for IBD

Upper Gastrointestinal Cancer Registry

CHONQUER: A Phase 3, multicenter, double-blind, randomized, placebocontrolled study of ivosidenib in participants ≥18 years of age with locally advanced or metastatic conventional chondrosarcoma with an IDH1 mutation, untreated or previously treated with 1 systemic treatment regimen

SMART exercise intervention for people recently diagnosed with breast cancer

Australian and New Zealand Fragility
Fracture Registry

#### PRN Title

ALLG NHL39 /
NLG-LBC7 (POLAR
BEAR): R-MINI-CHOP
versus R-MINI-CHP
in combination with
polatuzumab-vedotin,
as primary treatment
for patients with diffuse
large B-cell lymphoma,
≥80 years, or frail ≥75
years – an open label
randomized Nordic
Lymphoma Group phase
III trial

Residual Kidney Function Preservation in Patients Undergoing Maintenance Haemodialysis: a Survey to Explore the Practice Challenges Faced by Renal Clinicians

The ENhAnCe
trial: Evaluating
Neuropsychological
Assessment to enhance
Clinical outcomes for
individuals with brain
conditions

Forced Oscillation
Technique in
Pneumothorax
(PneumoFOT) Study:
Respiratory mechanics
in patients with
pneumothorax

Tissue Repository of
Airway Cancers for
Knowledge Expansion of
Resistance

Exploring nurse preceptors' experiences of precepting newly qualified nurses who do not meet performance expectations within the clinical setting

#### PRN Title

PRISM-MEL-301: A
Phase 3 Randomized,
Controlled Study
of IMC-F106C Plus
Nivolumab Versus
Nivolumab Regimens in
HLA-A\*02:01-Positive
Participants With
Previously Untreated
Advanced Melanoma

LUMOS2: Low & Anaplastic Grade Glioma Umbrella Study of Molecular Guided TherapieS

A qualitative exploration of physician trainees' experiences with strategies that support wellbeing during high stakes examinations and the impacts on learning and examination performance.

Outcomes and prognostic markers in patients with chronic liver disease

A Phase 3, Open-label,
Multicenter, Randomized
Study of Tarlatamab
in Combination
With Durvalumab vs
Durvalumab Alone in
Subjects with ExtensiveStage Small-Cell Lung
Cancer Following
Platinum, Etoposide and
Durvalumab

#### PRN Title

SNDX-5613-0708 - A Phase 1. Open-label. Dose-escalation, and Dose-expansion Study to Evaluate Safety, Tolerability, and Clinical Activity of SNDX-5613 in Combination with Intensive Chemotherapy in Participants with Newly Diagnosed Acute Mveloid Leukemias Harboring Alterations in Lysine-specific Methyltransferase 2A (KMT2A/MLL), Nucleophosmin 1 (NPM1), and Nucleoporin 98 (NUP98) Genes

The safety of shortterm dialysis catheter positioning within the right heart and great thoracic vessels. A mixed methods study.

HD11 ALLG/CCTG - A
Randomized Phase II
Study of Pembrolizumab
and Brentuximab
Vedotin Versus GDP,
followed by High Dose
Chemotherapy and
Autologous Stem Cell
Transplantation for
Relapsed/Refractory
Classical Hodgkin
Lymphoma

PyramIDH - A phase 3, multicenter, open label, randomized, noncomparative two arm study of ivosidenib (IVO) monotherapy and azacitidine (AZA) monotherapy in adult patients with hypomethylating agent (HMA) naive myelodysplastic syndromes (MDS) with an isocitrate dehydrogenase-1 (IDH1) mutation

#### PRN Title

HORIZON 02: A Phase
I-III, Multicenter Study
Evaluating the Efficacy
and Safety of Multiple
Therapies in Cohorts of
Patients with Resectable
Stage I-III Non-Small Cell
Lung Cancer, Selected
According to Biomarker
Status

iMMagine-3 - A Phase 3, Randomized, Open-Label Study to Compare the Efficacy and Safety of Anitocabtagene Autoleucel Versus Standard of Care Therapy in Participants With Relapsed/ Refractory Multiple Myeloma

Sugammadex, neostigmine and postoperative pulmonary complications: The SNaPP Study.

Exploring the personal experiences of nurses and midwives transitioning to menopause in the workplace.

Assessing the realworld outcomes of patients with early-stage unfavourable Hodgkin Lymphoma treated with 2+2

Prioritising early hand therapy to rationalise surgical resources: Can access to outpatient hand therapy reduce surgical waitlists and improve clinical outcomes?

#### PRN Title

A Phase 2, Randomized,
Double-blind, Placebocontrolled Study to
Evaluate the Efficacy,
Safety, Tolerability, and
Pharmacodynamics
of Intrathecally
Administered ALN-APP
in Patients with Cerebral
Amyloid Angiopathy
(CAA)

Pioneering innovative, sustainable and scalable solutions to improve the utilisation of pulmonary rehabilitation programs in Perth, Western Australia

AK-US-001-0105: A
Phase 3, Randomized,
Double-Blind, PlaceboControlled Study
Evaluating the Safety
and Efficacy of
Efruxifermin in Subjects
with Non-Cirrhotic Nonalcoholic Steatohepatitis
(NASH)/Metabolic
Dysfunction-Associated
Steatohepatitis (MASH)
and Fibrosis

90189892AML1001 - A
Phase 1, First-in-Human,
Dose Escalation Study
of JNJ-90189892 for
Relapsed or Refractory
Acute Myeloid Leukemia
or Myelodysplastic
Neoplasms

VELOCITY-HNSCC: A Phase 2 Platform Study of Novel Combination Therapies in Participants With Head and Neck Squamous Cell Carcinoma. Substudy-01: A Phase 2 Study of **Novel Combination** Therapies in Participants With Previously Untreated Recurrent or Metastatic Head and Neck Squamous Cell Carcinoma Regardless of PD-L1 Expression Status

#### PRN Title

ASCENT-GYN-01: A
Randomized, Openlabel, Phase 3 Study of
Sacituzumab Govitecan
Versus Treatment of
Physician's Choice
in Participants With
Endometrial Cancer
Who Have Received
Prior Platinum-based
Chemotherapy and
Anti-PD-1/PD-L1
Immunotherapy

Methylene Blue
Assessment of Gain In
Cardiac Surgery trial
(MAGIC). A protocol for
a multicentre, parallel
group, single-blind,
randomised clinical trial,
incorporating a nested
vanguard pilot phase
pilot phase to compare
the use of methylene
blue vs placebo in
post-operative cardiac
surgery vasoplegia.

Management of biochemical relapse in myeloma patients (AU and NZ)

DYNASTY-Breast02:
Phase 3, Randomized,
Multi-center, Openlabel Study of DB-1303
Versus Investigator's
Choice Chemotherapy
in Human Epidermal
Growth Factor Receptor
2 (HER2)-low, Hormone
Receptor Positive (HR+)
Metastatic Breast
Cancer Patients whose
Disease has Progressed
on Endocrine Therapy
(ET)

Use of patient-derived cell models for preclinical assessment of the therapeutic efficacy of a novel ADPKD treatment

#### PRN Title

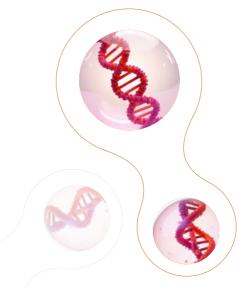
A Phase 2 Multicenter
Study of TL-895 in
Subjects with Relapsed/
Refractory Myelofibrosis,
Janus Kinase Inhibitor
Intolerant Myelofibrosis,
Janus Kinase Inhibitor
Treatment Ineligible
Myelofibrosis, or Indolent
Systemic Mastocytosis

Improve immuNologiCal assessmEnt to improve PaediaTric kidney transplantatION outcomes

TRIVIA Study (Tissue repair gel in Venous Leg Ulcers in Australia/NZ/America). A Phase 3 randomised, doubleblind, study to elevate the efficacy, tolerability, and safety of TR987® 0.1% gel versus Standard of Care in the treatment of chronic venous insufficiency leg ulcers (VLU)

RAINIER - A Phase
3, Randomized,
Double-Blind, PlaceboControlled Study of
Povetacicept in Adults
with Immunoglobulin A
Nephropathy

A prospective, Open-Label, Randomised,
Phase 3 Trial of
Acasunlimab (GEN1046)
in Combination with
Pembrolizumab Versus
Docetaxel in Subjects
with PD-L1 Positive
Metastatic Non-Small
Cell Lung Cancer After
Treatment with a PD-1/
PD-L1 Inhibitor and
Platinum-Containing
Chemotherapy
(ABBIL1TY NSCLC-06)



DESTINY-Endometrial01:
An Open-Label,
Sponsor-Blinded,
Randomized, Controlled,
Multicenter, Phase III
Study of Trastuzumab
Deruxtecan (T-DXd)
Plus Rilvegostomig
or Pembrolizumab vs
Chemotherapy Plus
Pembrolizumab as
First-Line Therapy of
HER2-Expressing (IHC
3+/2+), Mismatch Repair
Proficient (pMMR),

Clinical, Rehabilitation and Neuroimaging Investigation of Lateropulsion, Graviceptive Neglect and Verticality Perception in Neurosurgical Patients with Brain Tumours: A Prospective Cohort Study.

Primary Advanced or

Cancer

Recurrent Endometrial

ADOPT-Lung: An international muticentre open-label randomised phase III trial evaluating the benefit of adding adjuvant durvalumab after neoadjuvant chemo-immunotherapy in stage IIB-IIIB (N2) resectable NSCLC.

Clinical, Rehabilitation and Neuroimaging Investigation of Lateropulsion, Graviceptive Neglect and Verticality Perception in Neurosurgical Patients with Brain Tumours: A Prospective Cohort Study.

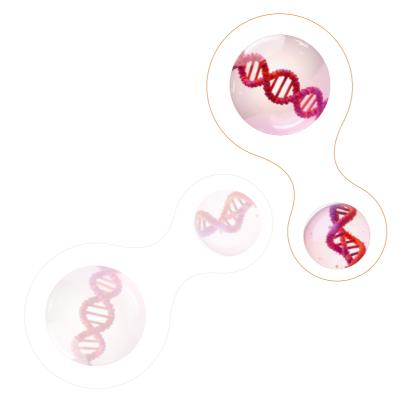
A phase 2, multicentre, randomised, placebo controlled clinical trial of dexmedetomidine as part of a sleep promotion bundle in adult intensive care units

#### PRN Title

The sedentary behaviour and physical activity patterns of older adults in hospital: A prospective randomised controlled trial using the SENS motion® system

Prostate Cancer
Outcomes RegistryWestern Australia
(PCOR-WA)

Impact of induction chemotherapy and primary CNS prophylaxis on outcomes in high-grade B-cell lymphoma with MYC + BCL2 ± BCL6 rearrangements (HGBL-DH/TH) and high-grade B-cell lymphoma-NOS: an international multicentre retrospective analysis



## Grants and partnerships

The new coordinator grants and partnerships role, which began in September 2024, has supported researchers finding and applying for grants, as well as helping to administer the Charlies Foundation Research grants.

The Research Infrastructure Support (RIS) program supports the indirect and operational costs associated with research. This funding is provided by the Office of Medical Research and Innovation (OMRI). In 2024, \$198,618 was awarded and used to offset pilot positions – the coordinator grants and partnerships role and a coordinator research navigation role.

In May 2025, the RIS application resulted in \$848,743 being awarded to NMHS to support the provision of research facilities, equipment and services that meet specific grant guidelines.

The coordinator grants and partnerships has supported 35 grant applications across local, national and international grant funding schemes. This role has also helped 10 researchers with publications in peer-reviewed journals. Within this reporting period, the largest successful grant has been the FHRI Fund Enabling Scheme 2024-2025, with activity lead Clinical Professor Rajesh Thomas awarded \$1,250,000.

Our researchers secured a range of grants from the State Government, Charlies Foundation for Research and other sources in 2024-2025:

\$198,618

funding to support new pilot positions.

35 grant applications

\$848,743

awarded to NMHS to support research facilities, equipment, and services per grant guidelines.

publications supported in peer-reviewed journals

\$1,250,000 in FHRI grants



### Sir Charles Gairdner Hospital

- O Hospital Ave, Nedlands WA 6009
- **19** General enquiries (08) 6457 3333
- # Hearing impaired (TTY) (08) 6457 3900
- scgh.health.wa.gov.au
- © North Metropolitan Health Service 2025

