

Learning outcomes Session1:

Medical and therapeutic management of a complex clinical presentation: Quadruple amputation

Dr Saul Geffen and Matthew Ames

- Knowledge of the medical approach to management of a complex patient in the rehabilitation setting
- Knowledge of the multidisciplinary approach and rehabilitation process for management of amputees in the rehabilitation setting
- Understanding the lived experience of multidisciplinary rehabilitation from a patient's perspective



Learning outcomes Session2:

Supporting the needs of rehabilitation patients and families in the ward environment and return home

Judy Moretti (CN), Nick Flynn (OT) and Deirdre Cooke (Rehabilitation Coordinator)

- Understanding customised strategies to support the individual needs of patients and families in the rehabilitation setting
- Knowledge of the Occupational Therapy home assessment and home modification possibilities for simple and complex cases
- Understanding of rehabilitation discharge planning and community service linkages between hospital and home



Supporting the needs of rehabilitation patients and families in the ward environment and return home

- Preparing for admission
- Working together
- Location location location
- Family time and support
- Positivity
- Wound care



Occupational Therapy Services in the Rehab Setting

The MPH Occupational Therapy (OT) Team provide a wide range of services through both the inpatient and day therapy services:

- Cognitive and perceptual assessment and retraining
- Assessment and modification for the home environment
- Upper limb retraining and reconditioning programs
- Equipment prescription (e.g. wheelchairs, bathroom aids)
- Personal care retraining
- Oedema management
- Chronic pain education and management

The OT Team provide services to assist patients to achieve specific practical goals and facilitate independence.



Occupational Therapy – Home Environment

In Matt's particular circumstance there were a number of key modifications required in the home environment to facilitate his access and independence:

- Installation of internal lift
- Series of internal ramps and rubber wedges allowing smooth transitions for the electric wheelchair
- Environmental control system (C-Bus) enabling Matt to independently control the lights, automatic doors, air conditioners and electric louvers.
- Electronic swipe system and electric doors to allow Matt to independently access his home



Occupational Therapy – Adapted Equipment

Matt utilises a wide range of equipment to facilitate his independence and assist with his care needs:

- Power Drive Wheelchair with seat height adjustability and adapted joy stick
- Mounted infrared and blue tooth technology on the wheelchair to enable independent operation of the computer mouse, TV, DVD player and radio
- Hands free technology (i.e. Blueant) to access his smart phone and voice recognition software on the computer.
- Custom made collapsible wheeled commode
- Electric queen size bed
- ‘Neater eater’ - a hydraulic arm enables Matt to feed himself
- Small electric lift platform

An Occupational Therapy driving assessor facilitated and guided the funding (i.e. VOSS) and modification of Matt’s vehicle to enable wheelchair access.



Upper Limb and Prosthetic Rehabilitation

The focus of Matt's UL rehabilitation involved :

- Problem solving towards independence in activities of daily living
- Full range of motion and strengthening exercises
- Body powered upper limb prosthetic training
- Electrical stimulation to strengthen and improve control of triggers
- Myoelectric training



Physiotherapy with Matthew

- Early focus was to strengthen remaining muscle groups (his abdominal, paraspinal, head and neck musculature) and maintain joint range of motion
- Sitting balance work for his altered centre of gravity and general deconditioning
- Then progressed to high level balance exercises in a sitting position utilising different surfaces and external perturbations.
- Rolling from supine to prone and other bed mobility work for pressure area relief and prevention of joint contractures

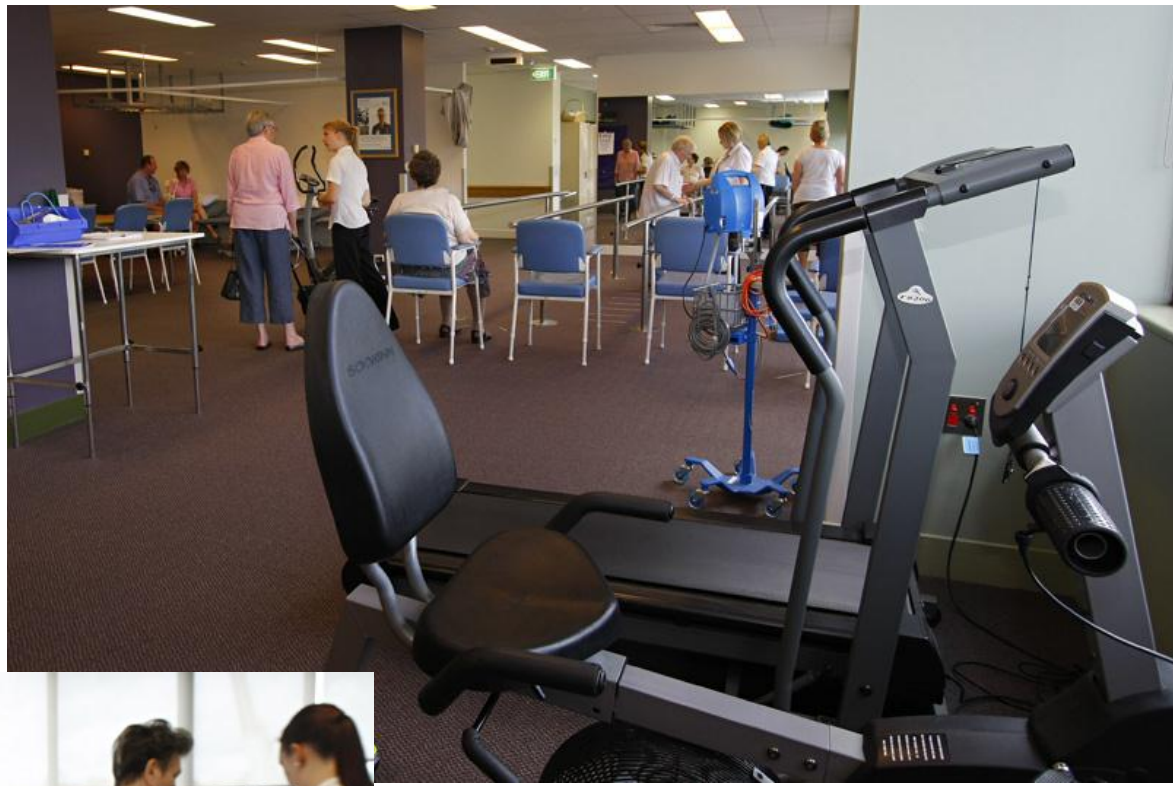


Physiotherapy with Matthew

- Rolling from supine to prone and other bed mobility work for pressure area relief and prevention of joint contractures
- Lower limb strengthening was performed in a prone position.
- Hydrotherapy, requiring a pool chair, life-jacket, walk belt and two assistants, proved beneficial for pain management, weight management and cardiovascular fitness.
- As strength, balance and endurance improved, independent transfers were achieved, initially with a foam-covered slide board. Subsequently, when transferring to or from his height-adjustable power wheelchair, the slide board became unnecessary.







Mater Private Rehabilitation Service Overview

48 Inpatient Rehabilitation beds and 7 Day Rehabilitation Program

Rehab Day Therapy – 4 mornings per week, 4 hour sessions for multidisciplinary input

Goal-focussed Rehabilitation Programs:

- Neurological Rehabilitation
- Lower Limb Orthopaedics
- Upper Limb Orthopaedics
- Reconditioning
- Pain Management



The Mater Rehabilitation Team

- Medical Specialists and registrars in Rehabilitation and Geriatric Care
- Physiotherapists, Occupational Therapists, Speech Pathologists & Rehab Coordinator
- Rehabilitation Nurses
- Social Work, Dietetic, Psychology, Neuropsychology, and Prosthetic/Orthotic input as required
- Pastoral Care support
- Volunteers



Multidisciplinary Discharge Planning

- Length of stay – based on progress towards functional goals
- Weekly multidisciplinary case conferencing
- Family meeting
- Day leave and then overnight leave at weekends prior to discharge
- OT home assessment – modifications & equipment
- Services for home such as community nursing, domestic support and respite
- Home exercise program & follow-up therapy services
- Discharge summary



Learning Outcomes in Review

Pushing the Boundaries: Rehabilitation for people with complex needs

- ✓ Medical and therapeutic management of a complex clinical presentation: Quadruple amputation
- ✓ Supporting the needs of rehabilitation patients and families in the ward environment and for return home
- ✓ Therapeutic exercise: What does it look like in the Rehabilitation setting, and who will benefit?



Mater Private Rehabilitation Unit Medical Specialists



Dr Lisa Gemmell



Dr Saul Geffen



Dr Phong Nguyen



Dr Jan Rotinen

Referrals to Mater Private Rehab

Direct to one of the Medical Specialists, or to the unit.

Mater Private Bookings Office

Fax: 3163 1193.

Phone enquiries: 3163 1600

www.mater.org.au

Do come and pay us a visit:

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to arrange a time with the
Rehabilitation Coordinator



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