

Hitting the Milestones

HOME REHAB
— THERAPISTS —
EXCLUSIVE REHABILITATION

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Who is Marc?
Define the person not the condition

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Marc's RTA related Injuries

01 **Road Traffic Accident May 2006**
✓ GCS 3/15

02 **CT showed**
✓ Left Frontal Contusion and Compression of ventricles with oedema
✓ Diffuse axonal Injury and left frontal contusion

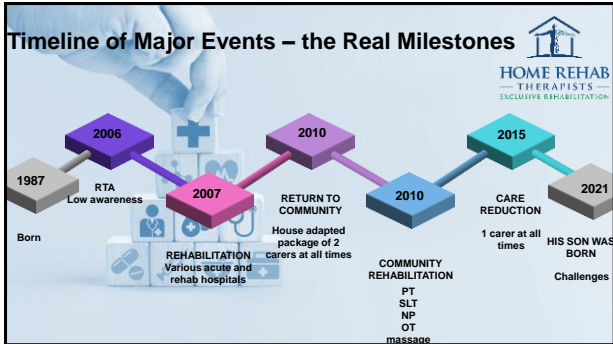
03 **Fractures**
✓ Left clavicle, right superior pelvic rami, right acetabulum,
✓ Right hand later showed heterotopic ossification (HO)
✓ Botox injections on neck and upper limbs, prescribed baclofen and tizanidine

04 **Unable to be fed**
✓ PEG fed inserted as he lost 10% of his weight
✓ Reported to mother that he is not going to be able to be fed on his own

05 **Seizures - further complications**
✓ Vomiting
✓ Tremor, Ataxia

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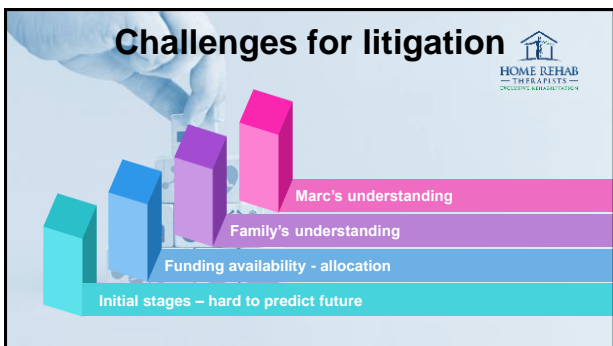
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Challenges family and carers

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TEAM
T TOGETHER
E EVERYONE
A ACHIEVES
M MORE

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Community Rehabilitation

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Home Rehab Therapists Ltd

- Home Rehab Therapists is a leading rehabilitation provider specialising in outreach packages that include Physiotherapy, Occupational Therapy, Speech and Language Therapy, Neuropsychology, educational and vocational consultancy and Medical Services.
- We offer an evidence-based approach to rehabilitation. Our priority is to respect your needs and collaboratively identify your goals and rehabilitation objectives to ensure a successful and realistic outcome.

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Family support - education

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Brain injury education to family

Sessions with partner
Sessions with partners children
Session with clients mother

Worked with family to manage environment and support maintenance of routine

Provided behavioural guidelines to care team and family

Stimulation: Ability to cope with noise and sensory stimulation
Noise: Behaviour and impulsivity
Emotions: Ability to manage emotions
Fatigue levels

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Interdisciplinary Model

What we offer

Working in a truly person-centred way can have life-changing results for clients – but while teams aspire to deliver this, how many truly do?

Why?
Improved outcomes
Singh et al., 2018

How?
Better communication between team members
O'Daniel & Rosenstein, 2008

Marc

What client gets?
Greater patient satisfaction - CSP

But...
Challenging to implement,
Misiewicz, 2016

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Disciplines in Marc's Rehabilitation Journey

Speech and Language Therapy (20%)

SLT Weekly sessions

OT 2 sessions weekly (30%)

Occupational Therapy

Physio therapy (30%)

PT 3 sessions weekly

NP Weekly sessions (20%)

Neuro Psychology

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Clinical Neuro Psychology

- 01 formulate understanding of how the brain injury impacts on cognitive, emotional and behavioural functioning
- 02 Work with Marc, his family and care team to manage unhelpful behaviours and improve cognitive and emotional function
- 03 Guide the development of a routine that manages fatigue and overstimulation while enabling meaningful activity
- 04 Empower Marc to express emotions effectively and support him to problem solve interpersonal difficulties and other barriers to recovery

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Occupational Therapy

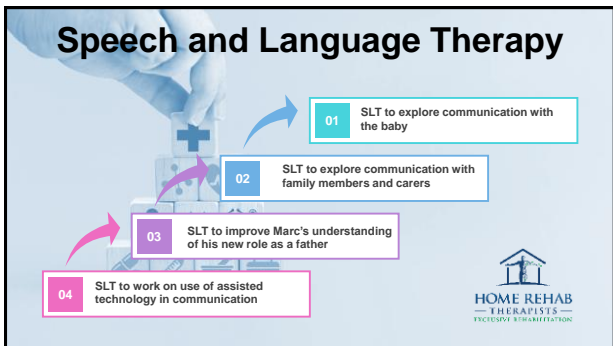


The diagram features a hand placing a block on a stack of four blocks. Each block is connected to a colored box containing a goal. The goals are: 01 (top, teal) - OT to explore accessing the community with the pram; 02 (second from top, blue) - OT to explore the goal of Marc pushing the pram inside the property to help get baby to sleep; 03 (third from top, purple) - OT to explore the goal of Marc bottle feeding the baby; 04 (bottom, pink) - OT to explore the goal of Marc using the baby carrier. The logo 'HOME REHAB THERAPISTS EXCLUSIVELY IN AUSTRALIA' is in the top right corner.

- 01 OT to explore accessing the community with the pram.
- 02 OT to explore the goal of Marc pushing the pram inside the property to help get baby to sleep
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Speech and Language Therapy

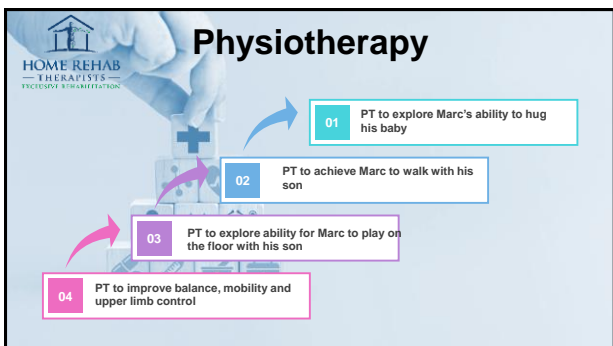


The diagram features a hand placing a block on a stack of four blocks. Each block is connected to a colored box containing a goal. The goals are: 01 (top, teal) - SLT to explore communication with the baby; 02 (second from top, blue) - SLT to explore communication with family members and carers; 03 (third from top, purple) - SLT to improve Marc's understanding of his new role as a father; 04 (bottom, pink) - SLT to work on use of assisted technology in communication. The logo 'HOME REHAB THERAPISTS EXCLUSIVELY IN AUSTRALIA' is in the bottom right corner.

- 01 SLT to explore communication with the baby
- 02 SLT to explore communication with family members and carers
- 03 SLT to improve Marc's understanding of his new role as a father
- 04 SLT to work on use of assisted technology in communication

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Physiotherapy



The diagram features a hand placing a block on a stack of four blocks. Each block is connected to a colored box containing a goal. The goals are: 01 (top, teal) - PT to explore Marc's ability to hug his baby; 02 (second from top, blue) - PT to achieve Marc to walk with his son; 03 (third from top, purple) - PT to explore ability for Marc to play on the floor with his son; 04 (bottom, pink) - PT to improve balance, mobility and upper limb control. The logo 'HOME REHAB THERAPISTS EXCLUSIVELY IN AUSTRALIA' is in the top left corner.

- 01 PT to explore Marc's ability to hug his baby
- 02 PT to achieve Marc to walk with his son
- 03 PT to explore ability for Marc to play on the floor with his son
- 04 PT to improve balance, mobility and upper limb control

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Ataxia...

Ataxia is a term for a group of disorders that affect co-ordination, balance and speech.

Lack of coordination
Slurred speech
Trouble eating and swallowing
Deterioration of fine motor skills
Difficulty walking
Gait abnormalities
Eye movement abnormalities
Tremors
Heart problems

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Upper Limb Rehabilitation

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Manipulation of Visual Object Feys et al, 2005	Cold Therapy Quintern et al, 1999	Wrist Weighting Mc Gruder et al, 2003	Robotics Carpinella et al, 2012
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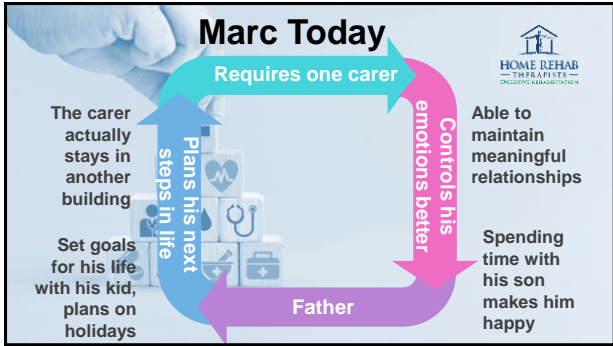
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Upper Limb Rehabilitation

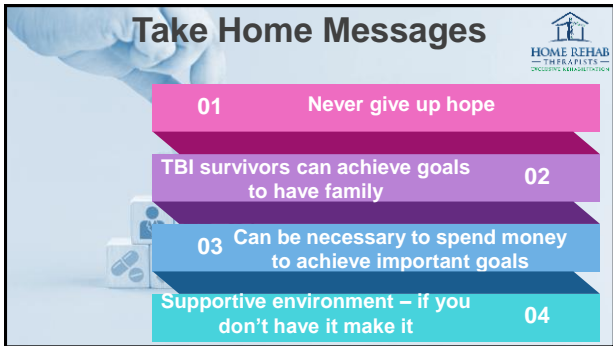
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Video Game based training Iig et al, 2012	Treadmill Training Cemak et al, 2008	Visually guided stepping Crowdy et al, 2002	Balance and mobility aids Baliel et al, 1987
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