

An Update: Overview of Pediatric Therapy Practice



Judi Wessels

Snr Occupational Therapist / Clinical Coordinator

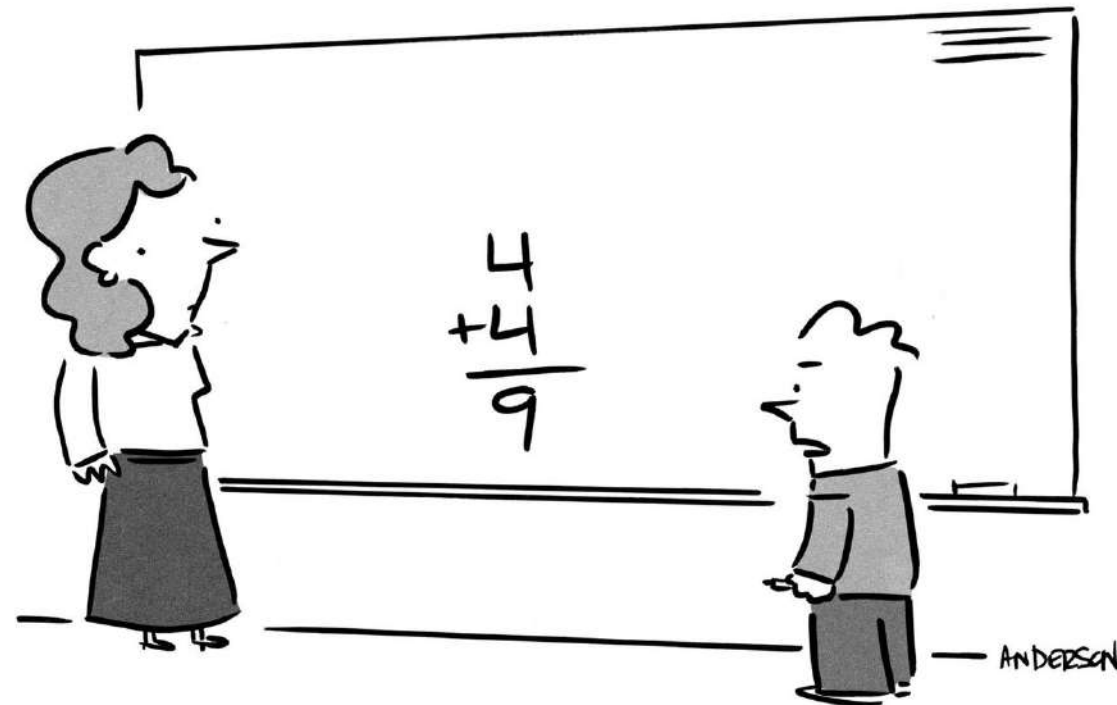


Hope

Looking at the elephant

...the controversy

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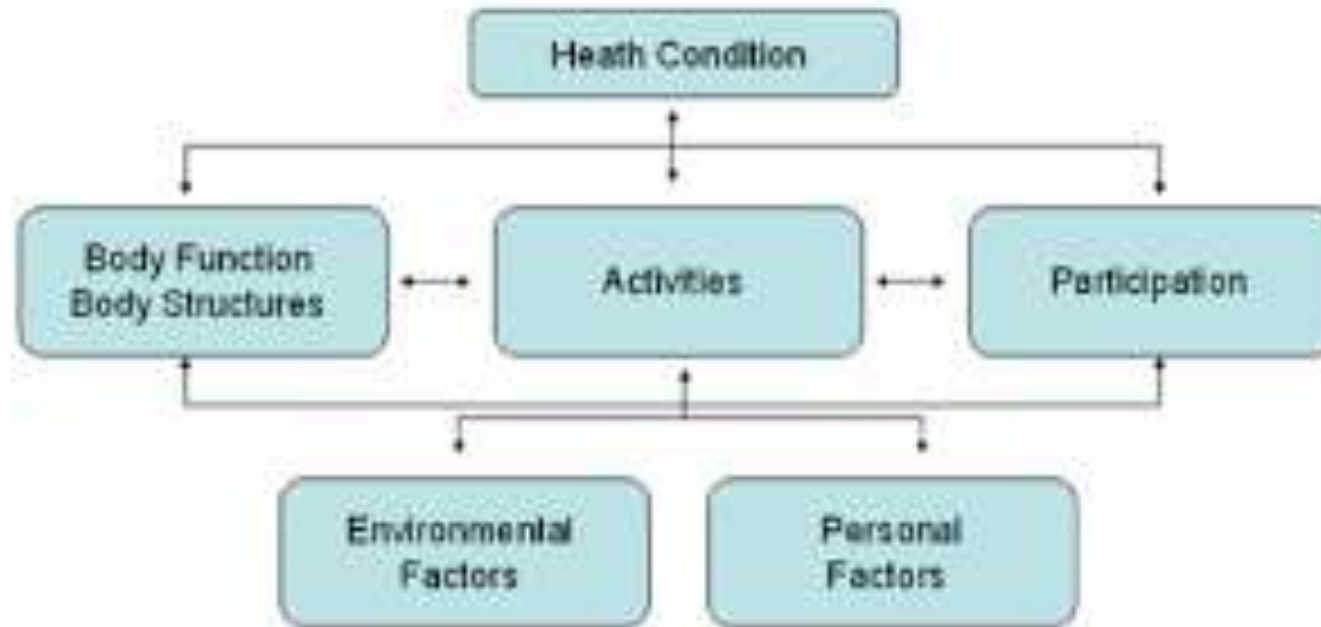
"I say it's nine and I say you need to teach the controversy!"



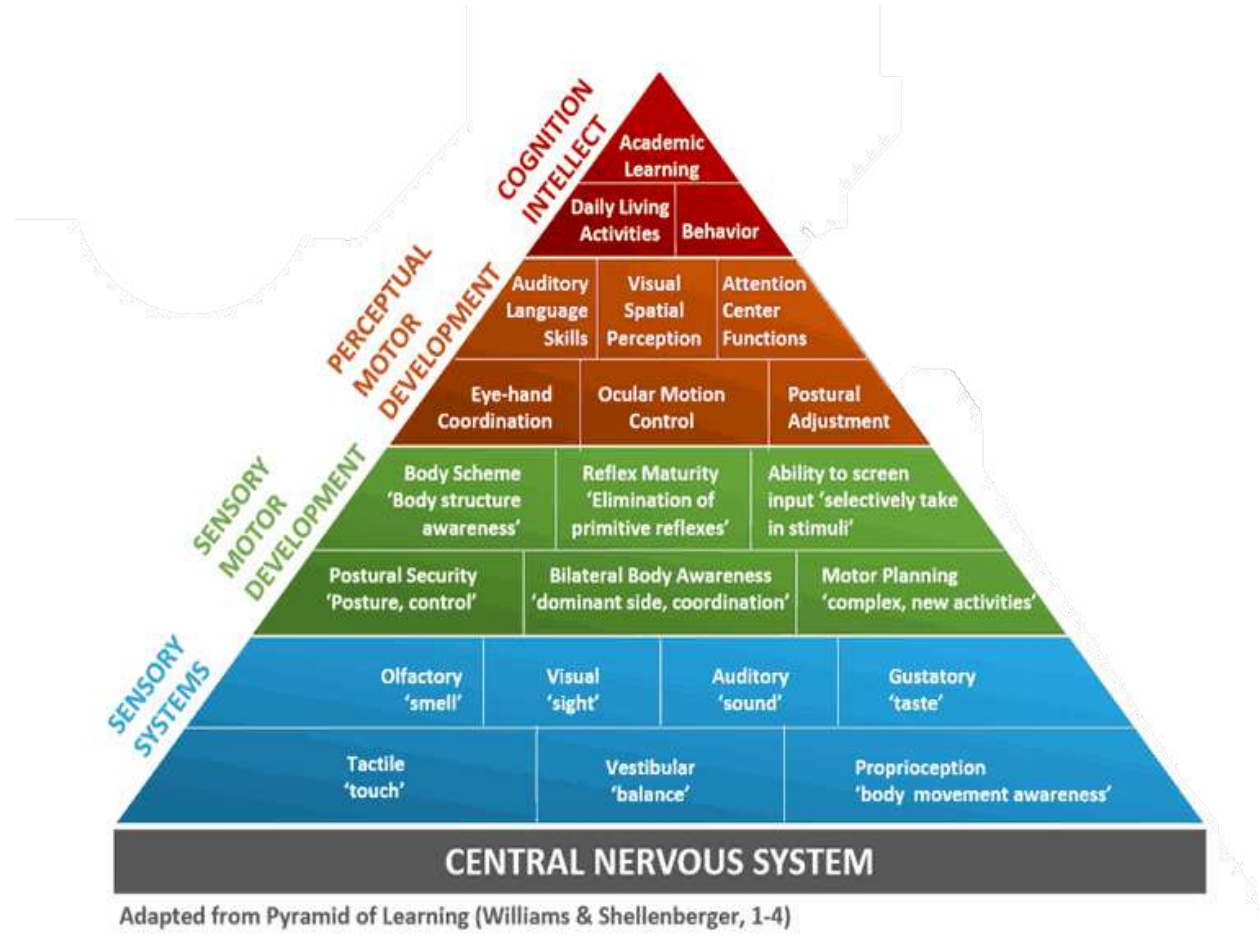
Hope

...so much to say ...so little time

WHO ICF (2001)



Development:





Hope

Development vs Diagnosis

- a therapy perspective -

Diagnostics are of significant importance especially for the management of safety and secondary risks when working with a growing child...

however

should we wait for diagnosis

OR

should we start with therapy intervention and focus on current developmental delay

AND

therapy input may assist in the context within which diagnosis is made...

Habilitation



Rehabilitation vs Habilitation =

➤ the simple (adult) with significant motor/ cognitive/ social memory banks to work with

versus

➤ the complex (child) where we are *catching up AND building new skills* at the same time

➤ capitalize on the advantage of neuro-plasticity and normal physiological development

Karen K. Yoshida, Hazel M., Rebecca M. Renwick, Laura L. Forma, Audrey J. King, and Leslie A. A value-based practice model of rehabilitation: consumers' recommendations in action. Disability & Rehabilitation. <http://informahealthcare.com/dre>

Habilitation: Value Based Rehabilitation



Make-up of value-based services:

- Dedicated paediatric team with developed team processes/ systems
- Interdisciplinary paediatric TEAM
- Paediatric Technology
- Family Centered Care
- Life Care Planning: ongoing care

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Habilitation



Transitions based on different developmental stages of the CHILD

Transition through developmental stages:

- 0-2 years - Infancy
- 3-5 years - Early Childhood
- 6-12 years - Childhood /Pre-Adolescence
- 13-17 years - Adolescence
- 18+ years - Young adulthood

'Children's brains, however, are fundamentally different at different stages of development. It is hard to know how capacities that have not yet emerged will be affected...'

<https://www.brainline.org/article/brainstars>

A Triangular View: Development vs Diagnosis



Family Centred Care



The Phoenix Theory of Attendance, Participation and Engagement.

Michelle Phoenix, Susan M Jack, Peter L Rosenbaum & Cheryl Missiuna (2019): A Grounded theory of parents' attendance, participation and engagement in children's developmental rehabilitation services: Part 2. The journey to child health and happiness. Disability and Rehabilitation, DOI: [10.1080/09638288.2018.1555618](https://doi.org/10.1080/09638288.2018.1555618)

...family or not family?



...that is the question!

Medical Specialist

- Once a month to once in 6 months...

Therapist

- Hours per week / physical contact with child – builds trust /witness the good, bad and ugly days

WHY?



Early Intervention Therapy: the AIM

- Promote child health and well-being
- Enhance emerging competencies
- Minimizing developmental delays
- Remediate existing /emerging disabilities
- Prevent functional deterioration
- Promote adaptive parenting and overall family function

Fitzmaurice E, Richmond JE. An Investigation of Service Providers' understanding, perspectives and implementations of the Transdisciplinary model in Early Intervention settings for Children with Disabilities. The Internet Journal of Allied Health Sciences and Practice. 2017 Jan 01;15(2), Article 5.

Teamwork: Frames of Care in Paediatric Therapy Practice



| Model Type | Interaction Type |
|--------------------|--|
| Multi-disciplinary | Independent Coordinated Value contributions of others |
| Inter-disciplinary | Work together Develop Programs Role definition is more relaxed |
| Trans-disciplinary | Working across disciplines Role Release Assumes responsibility |

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Teamwork: EI-SMART Clinical Reasoning Model



- Early Intervention:
 - Sensori-motor development
 - Attention and Regulation
 - Relationships
 - Therapist Support

Betty Hutchon, Deanna Gibbs, Philip Harniess, Sally Jary, Siew-Lian Crossley, Jane V Moffat, Neela Basu, Anna P Bassu. Early intervention programmes for infants at high risk of atypical neurodevelopmental outcomes. *Developmental Medicine and Child Neurology* (2019). DOI: [10.1111/dmcn14187](https://doi.org/10.1111/dmcn14187)

Teamwork: EI-SMART Clinical Reasoning Model



- **Environmental enrichment**
- **Responsive parenting:** attention/ regulation/ relationships
- **Communication:** maternal sensitivity to infant behavioural cues
- **Sensory development**
- **Motor learning:** active scaffolding

Betty Hutchon, Deanna Gibbs, Philip Harniess, Sally Jary, Siew-Lian Crossley, Jane V Moffat, Neela Basu, Anna P Bassu. Early intervention programmes for infants at high risk of atypical neurodevelopmental outcomes. *Developmental Medicine and Child Neurology* (2019). DOI: [10.1111/dmcn.14187](https://doi.org/10.1111/dmcn.14187)

EI-SMART clinicians...



The Expert: the PARENT

- Knows child better than us

The Facilitator: the CLINICIAN/ TEAM

- Expert on the child's condition

The Teacher: the CHILD

- The neurological capacities of the child
- Determines the SPEED of intervention

Outcome Measures



Outcome Measures

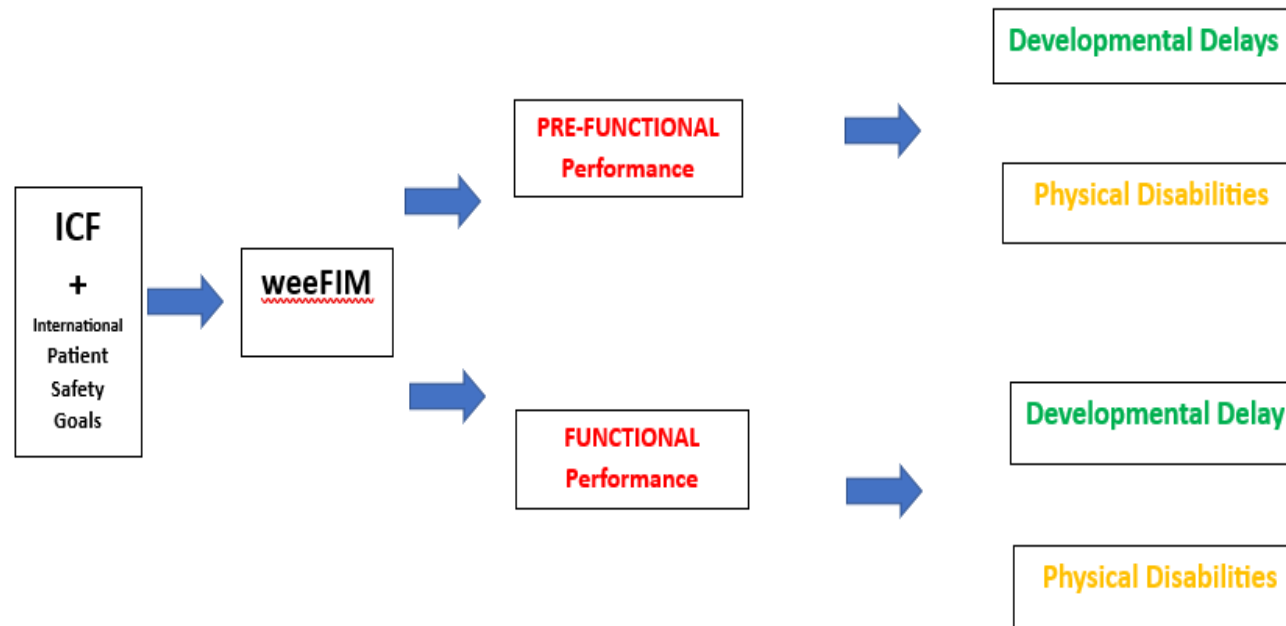


....NOT documents or assessment tool on the *developmental status* of a child

HOWEVER

...it is suitable for *periodically tracking the progress* of children towards independence in personal care, mobility and psychosocial competence

wee-FIM: Outcome Measure as Triage of Care



Kenneth J. Ottenbacher, PhD, Michael E. Msall, MD, Nancy Lyon, RN, PNP, Linda C. Duffy, PhD, Jenny Ziviani, PhD, Carl V. Granger, MD, Susan Braun, MLS, OTR, Roger C. Feidler, PhD. The WeeFIM Instrument: Its Utility in Detecting Change in Children With Developmental Disabilities Arch Physical and Medical Rehabilitation Vol 81, October 2000

INTENSIVE Therapy

- Therapy Boot Camp 😊
- Combination of therapy disciplines
- Combination of therapy approaches

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Hope

Life Care Planning

EQUIPMENT AND ASSISTIVE DEVICES...

What we see as therapists...



Grief



Grief



‘There is no such thing as a bad question, or a question asked too often.’

Debbie Askin – Nurse Practitioner

Melanie Pellecchia, Rinad S. Beidas, David S. Mandell, Carolyn C. Cannuscio, Carl J. Dunst⁵ and Aubyn C. Stahmer. Parent empowerment and coaching in early intervention: study protocol for a feasibility study. Penn Center for Mental Health, Department of Psychiatry, University of Pennsylvania Perelman School of Medicine.

Grief

Hope 



...grief is dynamic

Parents: New Dreams



Parents: New Dreams

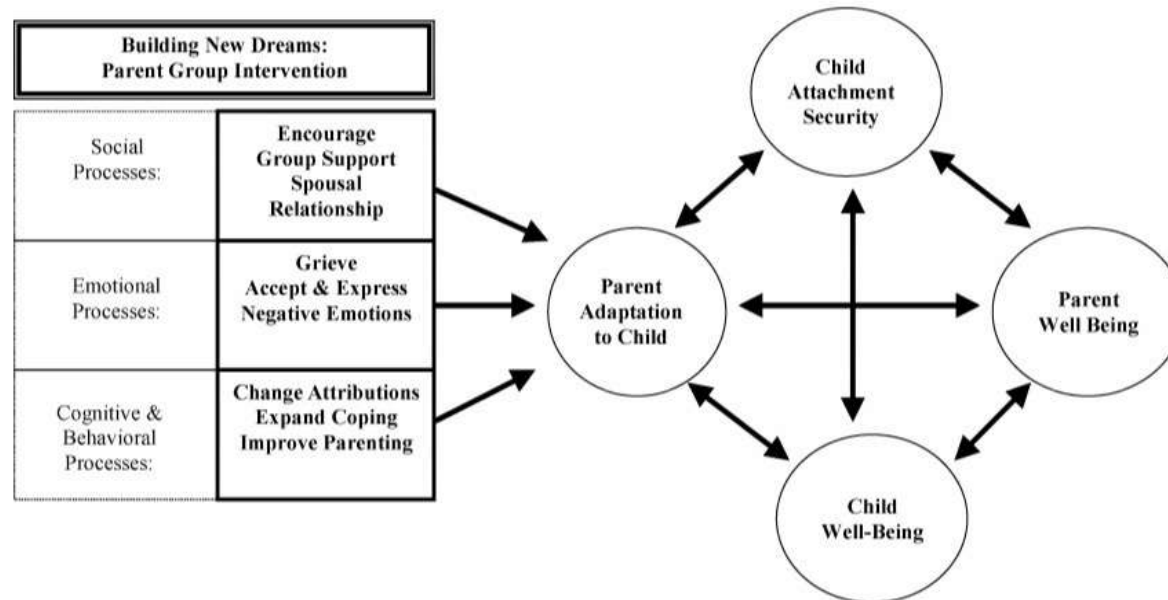


Fig 1. Conceptual model of intervention mechanisms of change.

Douglas Barnett, PhD; Melissa Clements, PhD; Melissa Kaplan-Estrin, PhD; Janice Fialka, MSW, ACSW. Building New Dreams Supporting Parents' Adaptation to Their Child With Special Needs. *Infants and Young Children* Vol. 16, No. 3, pp. 184–200 c 2003 Lippincott Williams & Wilkins, Inc.

Parents: Empowerment and Agency

‘People may think you are a ‘fussy’
parent.

You go ahead, you have every right.

*I tell my mothers to be like a lioness
protecting her cubs.’*

Antony Kaiser – Consultant Neonatologist

Hope



Parental Perspectives



Lisa Bridle, Glenys Mann. Mixed Feelings: A Parental Perspective on Early Intervention. A paper presented at the National Conference of Early Childhood Intervention Australia, Brisbane, June 2000. Reprinted with permission of the writers and of Early Childhood Intervention, Australia

...mixed feelings

Hope 



Parental Perspectives



- Implication of being the parent being a therapist to their child
- Pressure and guilt
- The “ultimatum” and the meaning of disability
- Self-presentation
- Assessment
- Family routine

Lisa Bridle, Glenys Mann. Mixed Feelings: A Parental Perspective on Early Intervention. A paper presented at the National Conference of Early Childhood Intervention Australia, Brisbane, June 2000. Reprinted with permission of the writers and of Early Childhood Intervention, Australia

Parental Perspectives



This is not an argument against early intervention, but a caution that people who work with vulnerable families must be vigilant in encouraging families to remain parents first and not to allow therapy to get in the way of living and enjoyment.

Lisa Bridle, Glenys Mann. Mixed Feelings: A Parental Perspective on Early Intervention. A paper presented at the National Conference of Early Childhood Intervention Australia, Brisbane, June 2000. Reprinted with permission of the writers and of Early Childhood Intervention, Australia

Parental Perspectives



her child had Down syndrome. I believe that it was also a highly inaccurate response. I would hope that professionals would be courageous enough to stress to parents the unknown future of any child. While there may be a place for optimism and information about the resources available to support a child's

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Final words...



Dr. Lynne McKinlay on teams:

‘...clinicians work in a complex system’

‘planning and execution of the system’

‘the individual skills of practitioners working within the service.’

Felicity L. Brown, PhD, Dr., Koa Whittingham, PhD, Roslyn N. Boyd, PhD, Lynne McKinlay, MBBS, FRACP, FAFRM, Kate Sofronoff, PhD. Does Stepping Stones Triple P plus Acceptance and Commitment Therapy improve parent, couple, and family adjustment following paediatric acquired brain injury? A

randomised controlled trial PII: S0005-7967(15)30008-5

Final words...



Perspectives: HOPE vs REALITY

...whose job is what?

The power of the word

...the doctor said DEFINITELY

...the doctor said DEFINITELY NOT

Conclusion:

Hope 

...our clinical work
is a balancing act
of searching for a
healthy homeostasis



Thank You

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