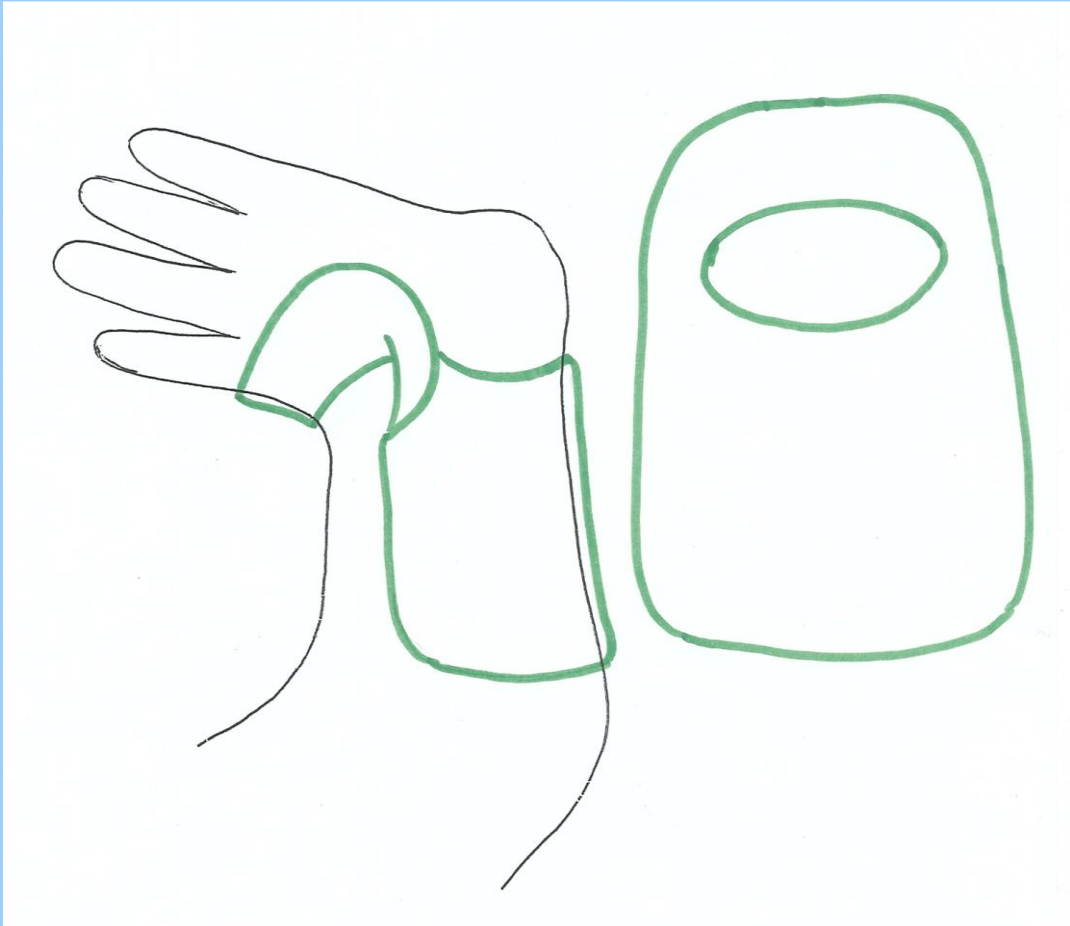


# Congenital Hand Anomalies - Radial Dysplasia



Occupational Therapy Department  
The Royal Children's Hospital,  
Melbourne, 2014

# Radial Dysplasia



# Radial Dysplasia

## What is it?

- Deficiencies in structures of the radial side of the limb
- Underdeveloped or absent thumb
- Stiffness and muscle weakness



## Goals of therapy:

- Reduce radial deviation contracture and increase alignment of hand or forearm
- Optimise mobility of fingers
- Facilitate functional use of the hand
- Commence therapy as young as possible



# Splinting for Congenital Hand Anomalies - General Treatment Goals

- Maximise range of motion
- Maximise functional hand use and independence in occupational performance
- Minimise secondary consequences

# Radial Dysplasia

## Functional considerations

- Dressing: fasteners, reaching, grip strength
- Toileting: reach, grasp, position
- Grooming: taps, grasping toothbrushes/hairbrushes
- Feeding: opening containers/packets, grasping cutlery
- Fine motor tasks: Writing, school tasks
- Leisure: participation in sports, musical instruments, arts



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