### Pressure garment therapy in children across the ages: less is more

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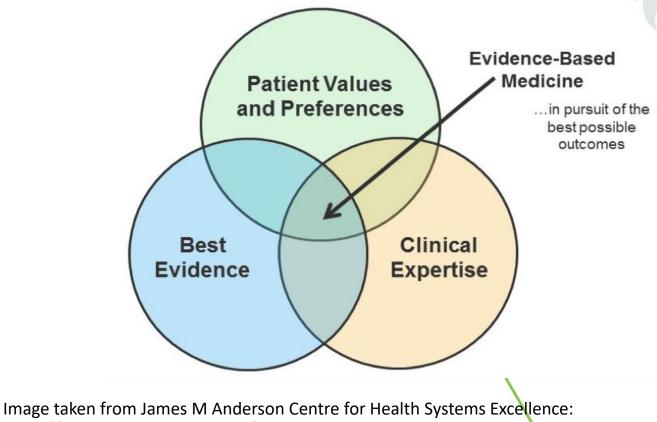


### **Pressure Garment Therapy: What do we know?**



Research  $\rightarrow$ Clinician Experience  $\rightarrow$ Family Goals  $\rightarrow$ 

### How do we make good clinical decisions? Evidence Based Medicine



https://www.healthcatalyst.com/5-reasons-practice-evidence-based-medicine-is-hot-topic





### **BRIS Trial RCT Findings**

Results from 6 month data:

- Mean TBSA: 1.0%
- There is no benefit to using combined interventions (i.e. Topical silicone gel and pressure garment therapy) in reducing scar thickness
- Combined interventions resulted in reduced adherence and satisfaction with treatment although more adverse effects were identified in the pressure garment group than silicone group.

Wiseman, J., Ware, R.S., Simons, M., McPhail, S., Kimble, R., Dotta, A. and Tyack, Z., 2019. Effectiveness of topical silicone gel and pressure garment therapy for burn scar prevention and management in children: a randomized controlled trial. *Clinical Rehabilitation*, p.0269215519877516.





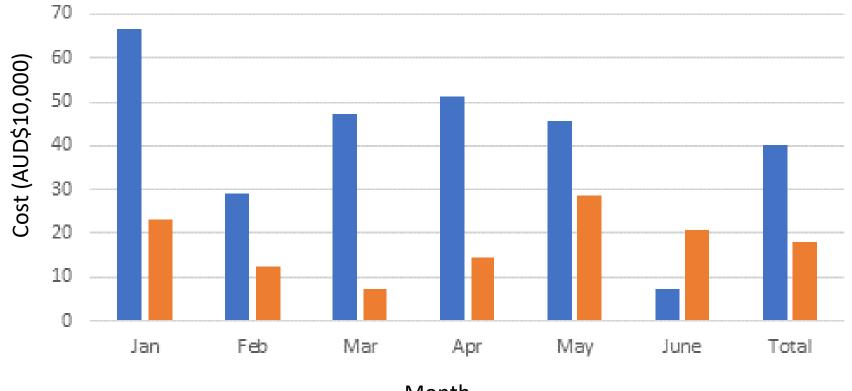
#### **METHOD:**

We completed an observational study design, and retrospectively audited prospectively collected data of expenditure for pressure garments and occasions of service using local databases





## **Pressure Garment Expenditure**



2016 2019

Month



## **Pressure Garment Expenditure**

2016	Jan	Feb	Mar	Apr	Мау	June	TOTAL
Occasions Of							
Service	277	338	350	318	316	354	1953
Cost/ month	\$18,425	\$9 <i>,</i> 840	\$16,545	\$16,235	\$14,428	\$2,652	\$78,127
2019	Jan	Feb	Mar	Apr	May	June	TOTAL
Occasions Of							
Service	382	344	316	368	379	372	2161
Cost/ month	\$8,875	\$4,255	\$2,256	\$5,338	\$10,804	\$7,743	\$39,273



## Has the RCT changed practice?

#### **Cost Reduction**

2016 (Jan – June)  Total PG expenditure

## 2019 (Jan – June)

- Total PG Expenditure
- = \$39*,*273.90









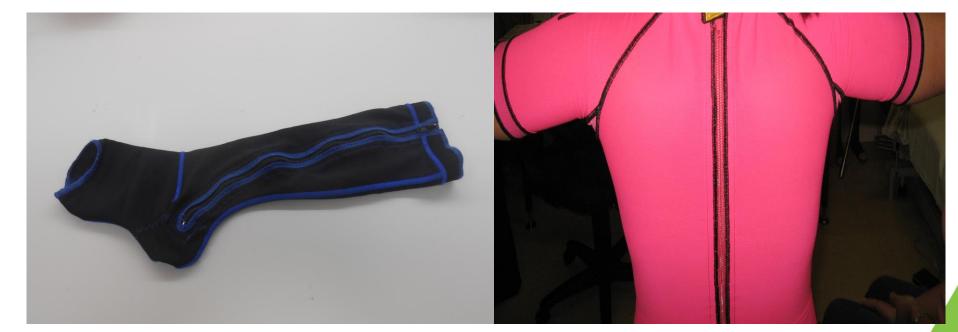








# When do we apply compression?





## Where to from here?

