

## Interface pressure mapping in practice

**Mark Bowtell (chair)**, Rehabilitation Engineering, Swansea Bay University Health Board

Interface pressure measurement (pressure mapping) is used widely by posture and mobility services for various purposes. These include identification of pressure risk areas (Reenalda *et al.*, 2009), comparison between support surfaces (Keller *et al.*, 2005; Hollington and Hillman, 2013), analysing posture (Swain and Bader, 2002; Stinson, Ferguson and Porter-Armstrong, 2018) and the education of patient and carers (Tasker *et al.*, 2019). The aim of this breakout session is to help demystify the art of pressure mapping, to increase confidence, and promote appropriateness of use.

In this practical workshop we'll explore pressure mapping and its different applications. Activity will include:

- the opportunity to try different commercially available systems
- reading the map, and understanding the key values
- limitations and considerations, including settling time and 'hammocking'
- use as a decision-making tool: 'which cushion is best?' practical
- research and developments, including longitudinal data capture and mobile interface
- overview of the International Best Practice Guidelines 2014 (ter Haar *et al.*, 2014)

Followed by Q&A with a panel of keen users of pressure mapping:

**Mark Bowtell:** Clinical Scientist, Pressure Ulcer Prevention and Intervention Service (PUPIS), Swansea Bay University Health Board

**Ali Alalshaikh:** Occupational Therapist, Hounslow Wheelchair Hub

**Vicky Curling:** Rehabilitation Engineer, King's College Hospital Rehabilitation Engineering Division

**Nathan Robson:** Clinical Scientist, AJM Healthcare

*Aimed at those with moderate experience, but hoping to spark conversation for advanced practitioners also*

### References

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