



Blake

Controlling Microclimate

What is Microclimate?

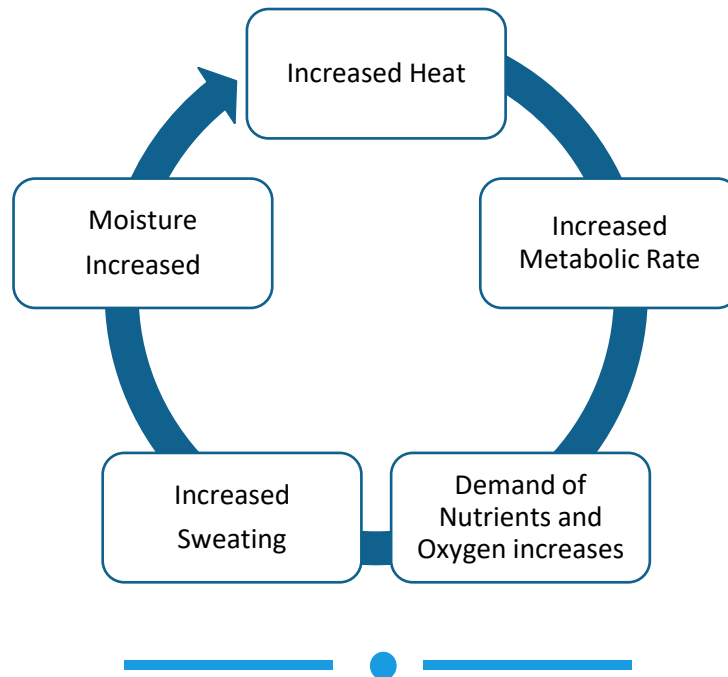
Microclimate is the climate of a very small or restricted area, that differs from the climate of the surrounding area. This normally occurs under bony prominences as this is where pressure is at its highest and heat has been built up which causes sweat.

What causes Microclimate?

- Sweat
- Incontinence
- Wound drainage
- Lack of airflow on seating surface

Uncontrolled Microclimates

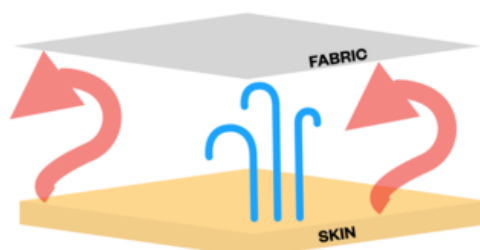
- Increases effects of pressure and friction
- Skin maceration due to excessive moisture
- Negates natural oils on skin
- Compromises skin integrity



How is Blake Medical Controlling Microclimate?

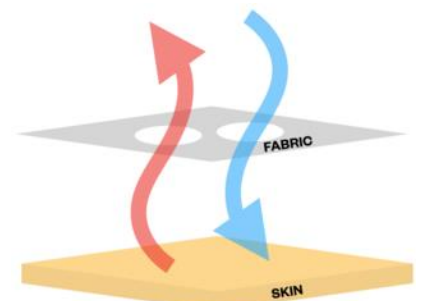
Microclimate can be prevented at the surface. Blake Medical products can help manage microclimates in many ways. By updating our mattress covers with a top layer of nylon quilting, this fabric helps create a controlled microclimate as it allows for more air circulation to prevent moisture build up. The bottom layer of fabric on the mattress covers are made with elastatex an incontinent fabric that is easy to clean. Our Geo-Matrix™ Gel is naturally cooler than foam and does not absorb heat unlike most foam cushions.

Peak pressure points are reduced by our gel redistributing the weight which decreases heat due to pressure. Our Geo-Matrix™ Gel heals stages I-IV wounds, so moisture due to wound drainage is minimized as the wound heals.



Uncontrolled Microclimate

VS



Controlled Microclimate

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