Transforming Wound Care

Altrazeal®
Engineered to meet the challenges of difficult to treat wounds.

Altrazeal® is an advanced engineering material that is unique among all other wound dressings in terms of properties and performance. It is designed to provide an optimized wound bed environment to promote wound healing.

Altrazeal® is a TGA registered medical device; ARTG 194714
The Science

- A novel transforming powder wound dressing
- Lyophilised powder hydrates and aggregates irreversibly when exposed to exudate forming a micro-porous skin-like barrier
- 84.8% poly-2-hydroxyethylmethacrylate (pHEMA), 14.9% poly-2-hydroxypropylmethacrylate (pHPMA), and 0.3% sodium deoxycholate
- Polymer spheres create a honeycomb structure
- Micro-pores create capillary forces¹:
  - allowing oxygen transportation
  - managing exudate through vapour transpiration
  - creating decreased pressure at the wound bed
- Material is non-resorbable
- Sterilised by irradiation

The Action

Altrazeal® powder consists of polymer particles with inherent properties to support cellular function.

Powder rapidly absorbs exudate transforming into a micro-porous skin-like barrier.

The material is non-resorbable and maintains intimate contact with the wound bed.

Negative pressure at the wound bed.

The Benefits

- Micro-contouring to the moist wound bed without bio-adhesion
- High MVTR (12L per metre squared in 24 hrs²) with low pressure at the wound-dressing interface stimulating healthy granulation tissue
- Impermeable to bacteria
- Continuous total moisture content of 68% at the wound surface³
- Decreased risk of peri-wound maceration
- Flexibility with tensile strength
- Improved patient comfort⁴ with improvements in pain levels⁴
- Secondary dressing may not be required
- Use for 7 days; can remain in place up to 30 days if exudate is present
- Reduced dressing changes and nursing intervention⁵

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