SUPPLEMENTARY MATERIALS

Table 1. Dressing Products, composition and main properties.

Type of dressing	Composition	Main properties	Commercially available, (Manufacturer)
FILM	Transparent film dressing, polyurethane film	Adherent, permeable to water vapor, oxygen and carbon dioxide, impermeable to bacteria and water	Tegaderm ™ Film (3M Helath Care)
FOAM	Trilaminar structure containing polyurethane, PEG, silicone	Moderately absorbent, fluid retention, semi-occlusive, insulating, permeable to water and gas	Mepillex ® Border (Mölnlycke Health Care)
HYDROCOLLOID	Hydrocolloid (CMC, pectin, gelatin) Polyurethane waterproof outer layer	Absorbs exudates and swells into a hydrophilic gel, fluid trapping, keeps wound moist, occlusive, long-time between changes, promotes granulation tissue	Varihesive® Gel Control (ConvaTec Ltd)
HYDROFIBER	CMC fibers	Highly absorbent, forms a gel inside wound bed, keeps wound moist, traps microbes inside the gel	Aquacel™ extra ™ (ConvaTec Ltd)
ALGINATE	Alginic acid, nonwoven fibers covered with Ca^{2+}	Highly absorbent, forms a hydrophilic gel inside wound bed, keeps wound moist, hemostatic through Ca^{+2} release	Melgisorb® plus (Mölnlycke Health Care)
MESH	Flexible polyester with Ag^{+} nanocristals	Low adherence, bactericide, sustained Ag^{+} release	Acticoat◊ Flex 3 (Smith&Nephew)
GAUZE	Gauze - 100% nonwoven synthetic fiber (polyester)	Hydrophilic, absorbent, inexpensive	Texpla® (Texpol)