

DRAINAGE STRUCTURE FOR CONTINUOUS AND UNIFORM NEGATIVE PRESSURE CONDUCTION OF FULL WOUND SURFACE

ABSTRACT

The present disclosure relates to a drainage structure for continuous and uniform negative pressure conduction of a full wound surface, used in conjunction with a porous foam layer for negative pressure drainage operation, comprising a structural body, and partitions are disposed on one surface of the structural body that faces the porous foam layer, the partitions forms cavities. The drainage structure employs a single-layer structure to enhance the negative pressure conduction effect. When it used on uneven wound surfaces or cavity gaps, does not produce interlayer displacement. When it is used together with PVA porous foam material, it provides a path that does not dry out and collapse, and also offers some moisture retention. Therefore, it solves the problems that PVA porous foam tends to face as it loses water, like gradually hardening, decreased resilience and permeability of the foam, and the eventual blockage of the drainage channels.

Fig 1.