

Effectiveness of a human amnion collagen membrane in treating an air leakage following pleural resection. [Japanese]

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Abstract:

Amion is said to be very useful for biological materials because it contains much human collagen fibers in its component. We made human collagen membrane from amnion and evaluated its efficiency for dressing materials in animal experiments. In total experiments of 18 dogs, human collagen membrane only (n = 6), human collagen membrane with a fibrin glue (n -8), fibrin glue only (n = 4) were used on the damaged lung surface that pleura was removed, and the ability of the prevention of air leakage by the materials were evaluated. The result showed that the human collagen membrane is more useful as a dressing materials for controlling air leakage form post operatively than conventional fibrin glue.