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Open abdomen in gastrointestinal surgery: Which technique is the best for temporary closure during damage control?

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Abstract

AIM: To compare the 3 main techniques of temporary closure of the abdominal cavity, Vacuum Assisted Closure (Vacuum-Assisted Closure Therapy - V. A. C.), Bogota bag and Barker Technique, in damage control surgery.

METHODS: After systematic review of the literature, 33 articles were selected to compare the efficiency of the three procedures. Criteria such as cost, infections, capacity of reconstruction of the abdominal wall, diseases associated with the technique, among others were analyzed.

RESULTS: The Bogota bag and Barker techniques present as advantage the availability of material and low cost, what is not observed in the V. A. C. procedure. The V. A. C. technique is the most efficient, not only because it reduces the tension on the borders of the lesion, but also removes stagnant fluids and debris and acts at cellular level

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