

# Management of Surgical Wound Dehiscence in a Specialized Wound Care Center: A Case Series.

Evelin Santos Figueiredo Lima<sup>1</sup>, Arthur César Pacheco Lopes<sup>2,3</sup>, Tammila de Lima Almeida<sup>4</sup>, Ana Flávia Novaes<sup>2</sup>, Luciana Moreira Lopes<sup>4</sup>, Laís Oliveira Lima Barbosa<sup>2</sup>, Joubert Felipe Luz Costa Brito<sup>2</sup>, Mariana Masimessi Fernandes<sup>2</sup>, Raquel Araujo da Silva Carneiro<sup>2</sup>, Thiago de Carvalho Milet<sup>1</sup>, **Bianca Tanajura Oliveira Bastos<sup>3</sup>**.

1 - Health Department of the State of Bahia. 2 - Federal University of Bahia. 3 - Cicatrimed Comprehensive Wound Treatment. 4 - Santo Agostinho Health Faculty

**Introduction:** Surgical wound healing is the result of an orderly sequence of physiological events. A mechanical failure or failure in wound healing at the surgical site may evolve with the emergence of complications such as suture dehiscence. Specialized wound care has revolutionized the healthcare landscape. This revolution also extends to the treatment of surgical wound dehiscence, which is a prevalent health problem.

**Objective:** The aim of this study was to describe a series of cases of patients with surgical wound dehiscence admitted to Cicatrimed, a center specialized in wounds in the city of Vitória da Conquista, Bahia.

**Methods:** The work was structured based on the CARE case report guideline. Demographic information, symptoms, and patient history were used to describe the cases. The therapeutic tools used were described using schedules. The evolution of the wounds was described using images and clinical characteristics.

**Results:** We described 7 cases of postoperative suture dehiscence in patients with the following diagnoses: post-abdominoplasty dehiscence, mammoplasty with prosthesis insertion, saphenectomy, hand trauma and secondary amputation of diabetes mellitus. In all, there are remarkably satisfactory results with multidisciplinary treatment, hyperbaric oxygen therapy and other wound care technologies.

**Conclusions** Its concluded that the specialized and comprehensive treatment of wounds has a potentially favorable role in the care of patients with surgical wound dehiscence, given the positive results from the use of different therapeutic instruments and, unfortunately, still not widespread in the care environment as a whole.



case A - Dehiscence in the postoperative period of abdominoplasty.



Case B - Dehiscence in the postoperative period of abdominoplasty.



Case C - Postoperative dehiscence of hand trauma



Case D - Postoperative dehiscence of mammoplasty with prosthesis insertion



Case E - Postoperative dehiscence of saphenectomy



Case F - Postoperative dehiscence of infrapatellar amputation.



Case G - Postoperative dehiscence of laparotomy.