

## Match Overview

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**Name of Journal:** *World Journal of Clinical Cases*

**Manuscript NO:** 59629

**Manuscript Type:** CASE REPORT

**Salvage of vascular graft infections *via* vacuum sealing drainage and rectus femoris muscle flap transposition: A case report**

Salvage of vascular graft infections

### Abstract

#### BACKGROUND

The management of vascular graft infections continues to be a significant challenge in a clinical situation. The aim of this report is to illustrate the novel vacuum sealing drainage (VSD) technique and rectus femoris muscle flap transposition, and to evaluate the prospective of future testing of this surgical procedure.

#### CASE SUMMARY

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## Covering of an exposed vascular graft in the groin with an ...

<https://academic.oup.com/jscr/article/2017/2/rjx009/2968294> ▾

< **Introduction** Case Report Discussion Funding Acknowledg >

Vascular graft salvage is successfully manageable with a muscle flap, following wound debridement and targeted antimicrobial therapy, in 78–84% of groin infections [1–3]. In this context, four types of flaps have been described, including transposition of the sartorius muscle [4, 5], the gracilis muscle [5, 6], the rectus abdominis and rectus femoris muscle [5]. In complicated cases these flaps may, however, not be feasible because of previous use or a compromised vascular supply as their pedicle is distally from the ...

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**Cited by:** 1

**Author:** Bastiaan P. Vierhout, Jeroen M. Smit, Clark ...

**Publish Year:** 2017

**Published:** Feb 04, 2017

## The Role of Muscle Flaps in Wound Salvage after Vascular ...

<https://www.researchgate.net/publication/7196740...>

The Role of **Muscle** Flaps in Wound **Salvage** after **Vascular Graft Infections**: The Emory Experience ... and the **rectus femoris muscle flap** (RFF) coverage technique for deep groin wound infection ...

## Vacuum-assisted closure therapy with omental transposition ...

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**Vacuum**-assisted closure (VAC) therapy without **muscle flap** coverage is our primary approach for **graft** preservation in early, deep groin **infections** with and without exposed grafts; however, concerns ...

## Management of early (< 30 day) vascular groin infections ...

Salvage of vascular graft infections via vacuum sealing drainage an



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## The Role of Muscle Flaps in Wound Salvage after Vascular ...

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The Role of **Muscle** Flaps in Wound **Salvage** after **Vascular Graft Infections**: The Emory Experience ... and the **rectus femoris muscle flap** (RFF) coverage technique for deep groin wound **infection** ...

## A systematic review on the use of muscle flaps for deep ...

[https://www.jvascsurg.org/article/S0741-5214\(19\)31938-X/fulltext](https://www.jvascsurg.org/article/S0741-5214(19)31938-X/fulltext)

The aim of this systematic review is to assess potential differences in effectiveness (**graft** loss and limb loss) between the sartorius **muscle flap** (SMF) and the **rectus femoris muscle flap** (RFF) coverage technique for deep groin wound **infection** following **vascular** surgery. Our hypothesis was that RFF reconstruction is more effective in groin coverage.

**Cited by:** 1

**Author:** Lina F. Wübbeke, Jan-Willem Elshof, Jurek ...

**Publish Year:** 2020

## Rotational Muscle Flap Closure for Acute Groin Wound ...

<https://www.researchgate.net/publication/8129552...>

Studies of attempted **graft salvage** with aggressive tissue debridement alone have high rates of persistent **infection** (up to 82%) with the need for complete explant and an associated amputation rate ...

## A systematic review on the use of muscle flaps for deep ...

<https://www.sciencedirect.com/science/article/pii/S074152141931938X>

Feb 01, 2020 · **Muscle flap** coverage has positive effects on groin healing because of an increased blood flow with enhanced delivery of oxygen, nutrients, and antibiotics to the infected area and because of immediate elimination of dead space.<sup>3, 10, 11</sup> The sartorius **muscle flap** (SMF) and the **rectus femoris muscle flap** (RFF) are the most commonly used muscles<sup>3</sup> ...

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**Vacuum**-assisted closure (VAC) therapy without **muscle flap** coverage is our primary approach for **graft** preservation in early, deep groin **infections** with and without exposed **grafts**; however, concerns ...

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Download Citation | **Salvage** of infected prosthetic **grafts** of the great vessels **via muscle flap** reconstruction | The **infection** of an aortic prosthetic **graft** presents a difficult challenge for surgeons.

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<https://www.researchgate.net/publication/8129552...>

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### [Vascularised muscular flaps and arterial graft infection ...](#)

<https://www.researchgate.net/publication/10788140...>

We demonstrate that **muscle flap** coverage using the **rectus femoris muscle** by **vascular** surgeons is an effective way to manage complex groin wound **infections** in a challenging group of patients ...

### [An Interdisciplinary Approach to the Prevention and ...](#)

<https://www.sciencedirect.com/science/article/pii/S0890509611003931>

Apr 01, 2012 · Results: Twenty-nine **muscle transposition** flaps were performed in 24 patients (21