

NPWT – Natural Perfect Woundhealing Therapy

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Chronic wounds treated with NPWT

- KENÉZY Hospital, Debrecen, Hungary
- Chief of Wound Dept., Consultant vascular surgeon
- 29 beds, own operating theater
- 700 operations per year
- 160 major amputations
- 550.000 inhabitants





















Case No. 2

Patient history and general treatment

- Patient data
 - Male
 - 60 y
- Underlying disease: Micro angiopathy, ESBL coli from the culture
- Medication: ASA, statin, imipenem
- Factors influencing wound healing: diabetes Type II
- Treatment: necrectomy, debridement.



Diabetic foot – treatment options

Wound description and wound treatment

Wound description

- Type of wound: non healing ulcer
- Wound site: calcaneus
- Wound size: 7 x 3 cm
- Peri wound area: necrotic



Wound treatment

- Systemic: antibiotics, non steroid antirheumatics, anticoagulants, painkillers
- Topical: boric acid, dermazin, Sorbalgon

Diabetic Foot

Treatment options

- NPWT was applied and changed 2 times



Diabetic Foot

Treatment options

- After 1 week NPWT therapy



Diabetic Foot

Treatment options



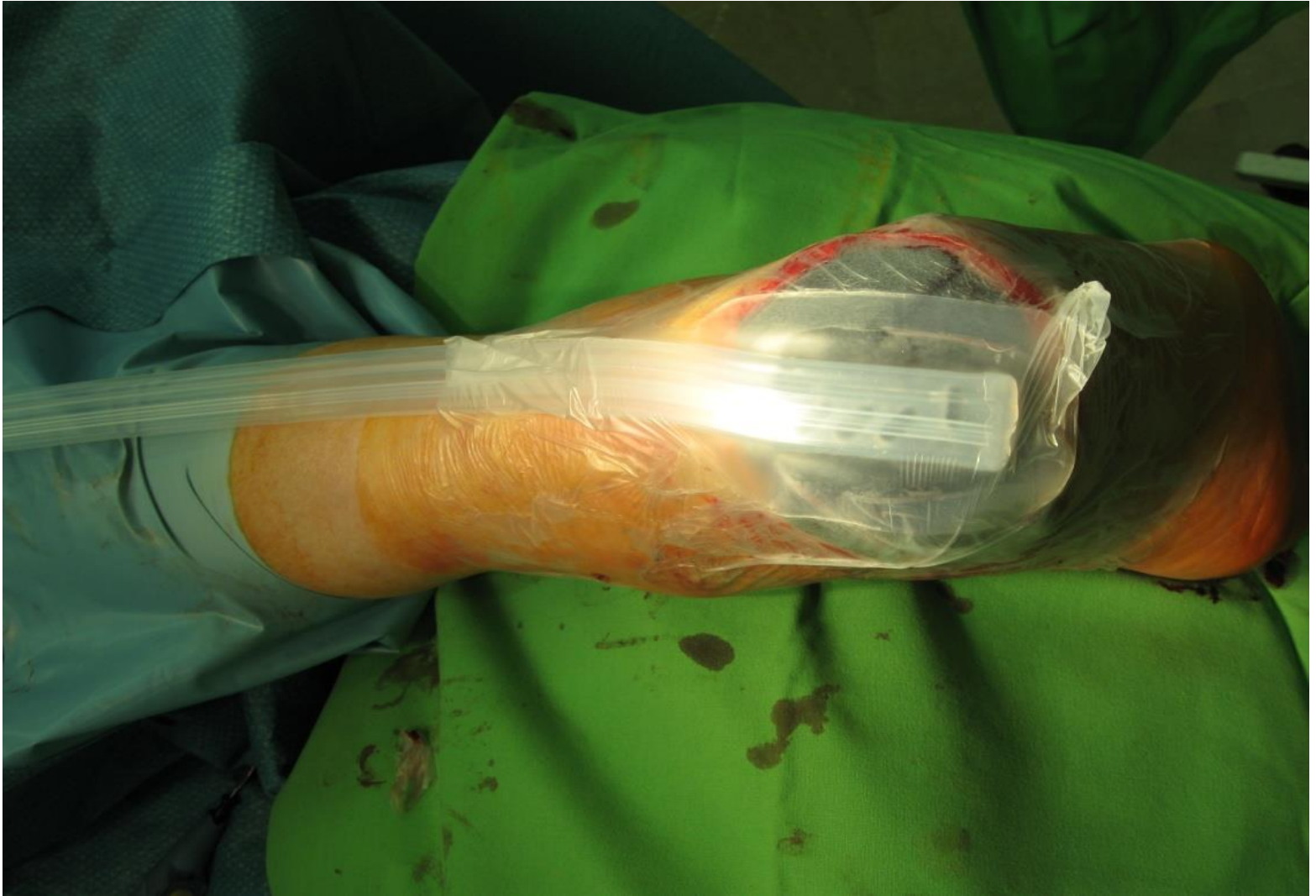
Diabetic foot – treatment options

Documentation

- Change of the foam



Diabetic foot – treatment options



Diabetic Foot

Treatment options

- After 2 weeks NPWT therapy



Diabetic foot – treatment options

Material and methods

- Preparing the wound in the OR



Diabetic Foot



- Reverse sural artery flap





Diabetic Foot



Diabetic Foot



Diabetic Foot



Diabetic Foot



Diabetic Foot



Diabetic Foot

- 1 week after surgery



Diabetic Foot

- 1 week after surgery



Diabetic Foot

Short wound history:

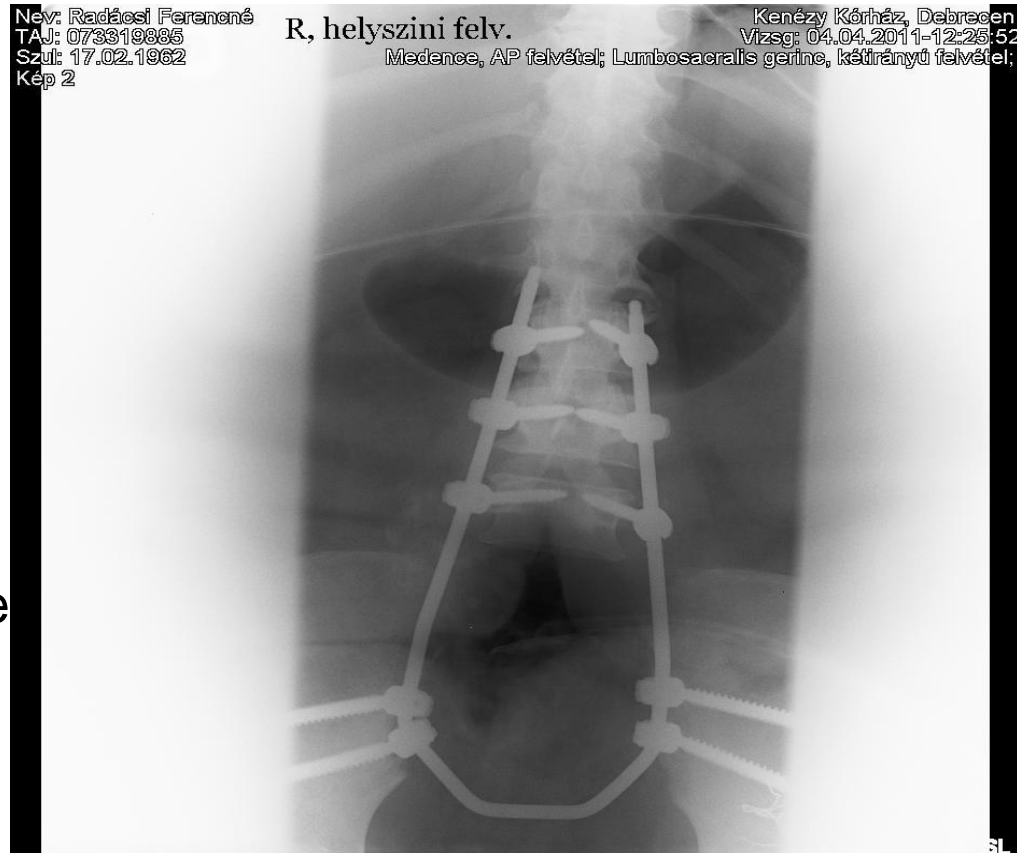
- 31. May, 2012.-
First OP and NPWT
app.
- 11. June, 2012.-
Flap graft
- 05. March, 2013.



Case No. 3

Patient history and general treatment

- Patient data
 - Female
 - 50
 - Sacral tumor
- Treatment: necrectomy, debridement, antibiotics
- L4, L5 and the sacrum was removed and replaced with the patient's own bone, and the spine was stabilised
- NPWT was applied and changed several times



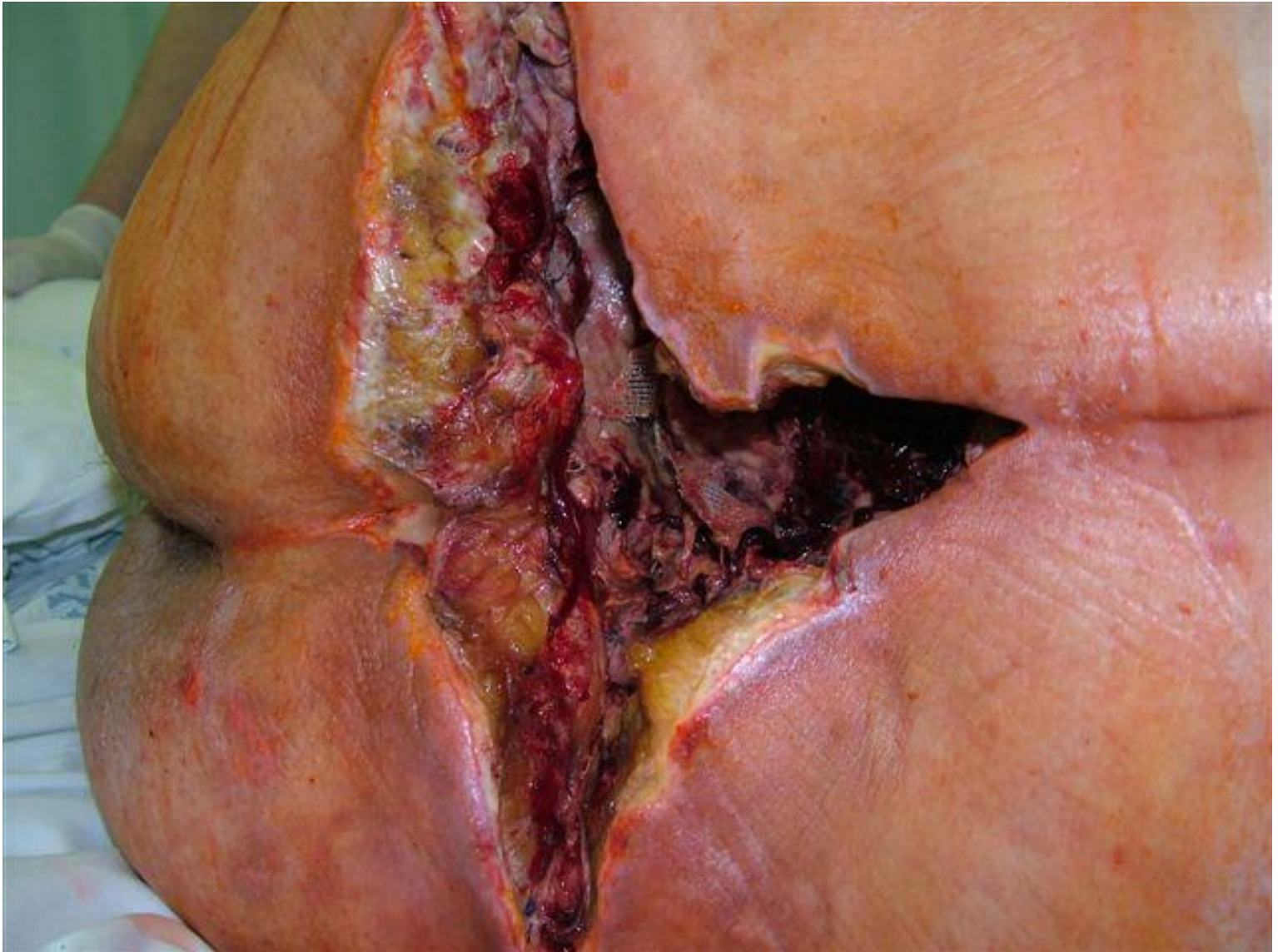
■ Date 03/04



■ Date 03/04

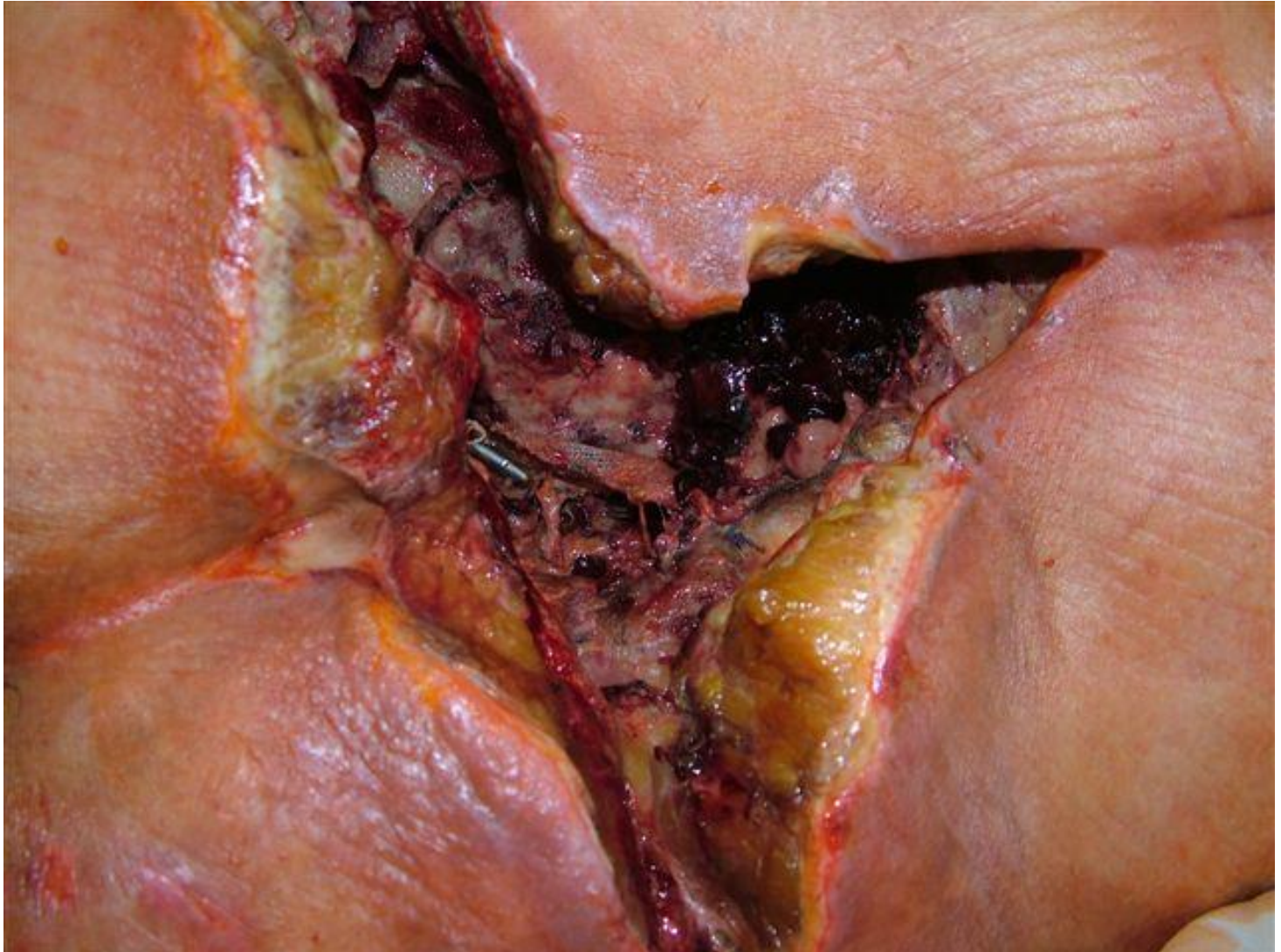


■ Date 05/04

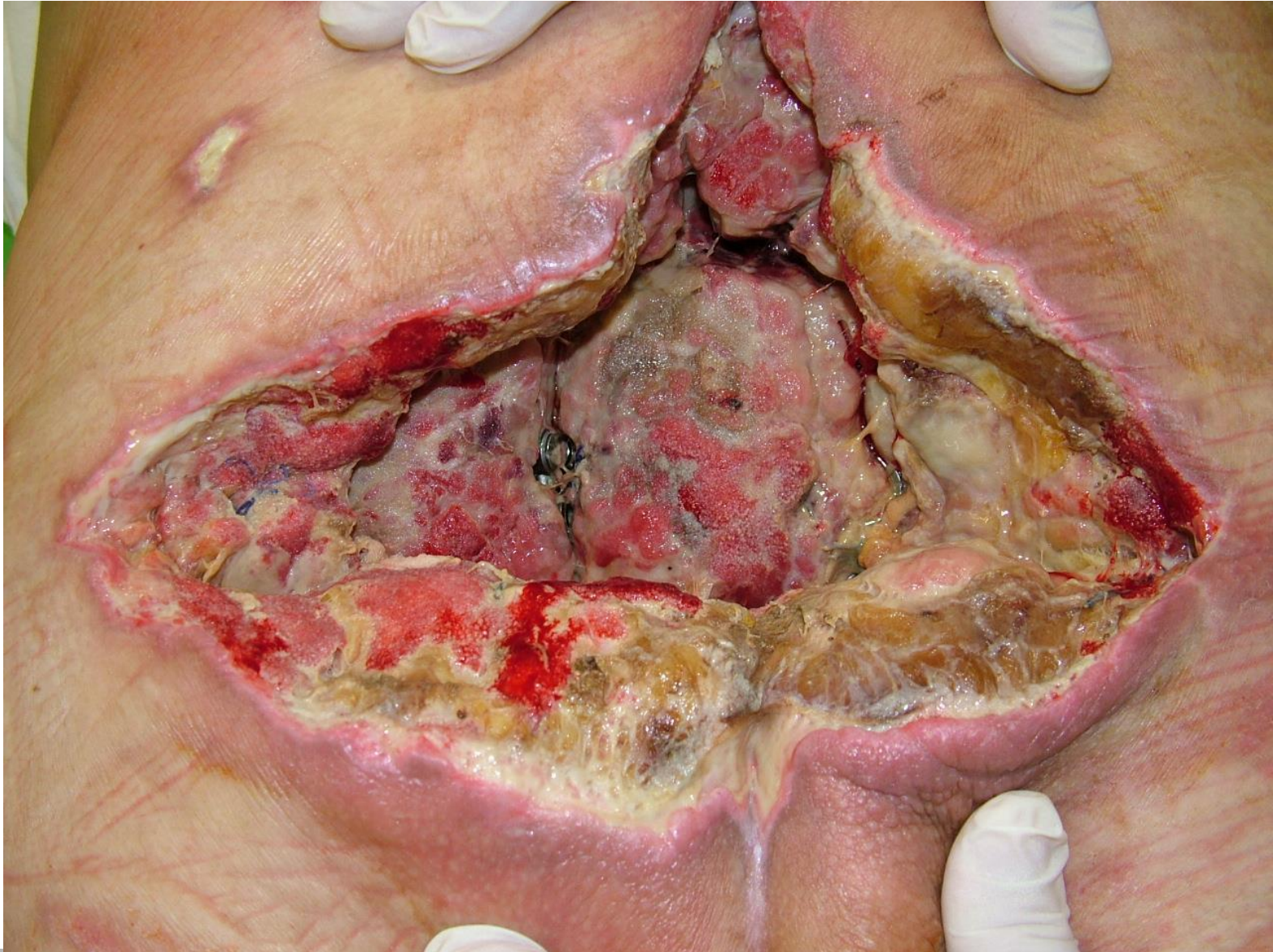


- Date 05/04

- The first application of the NPWT



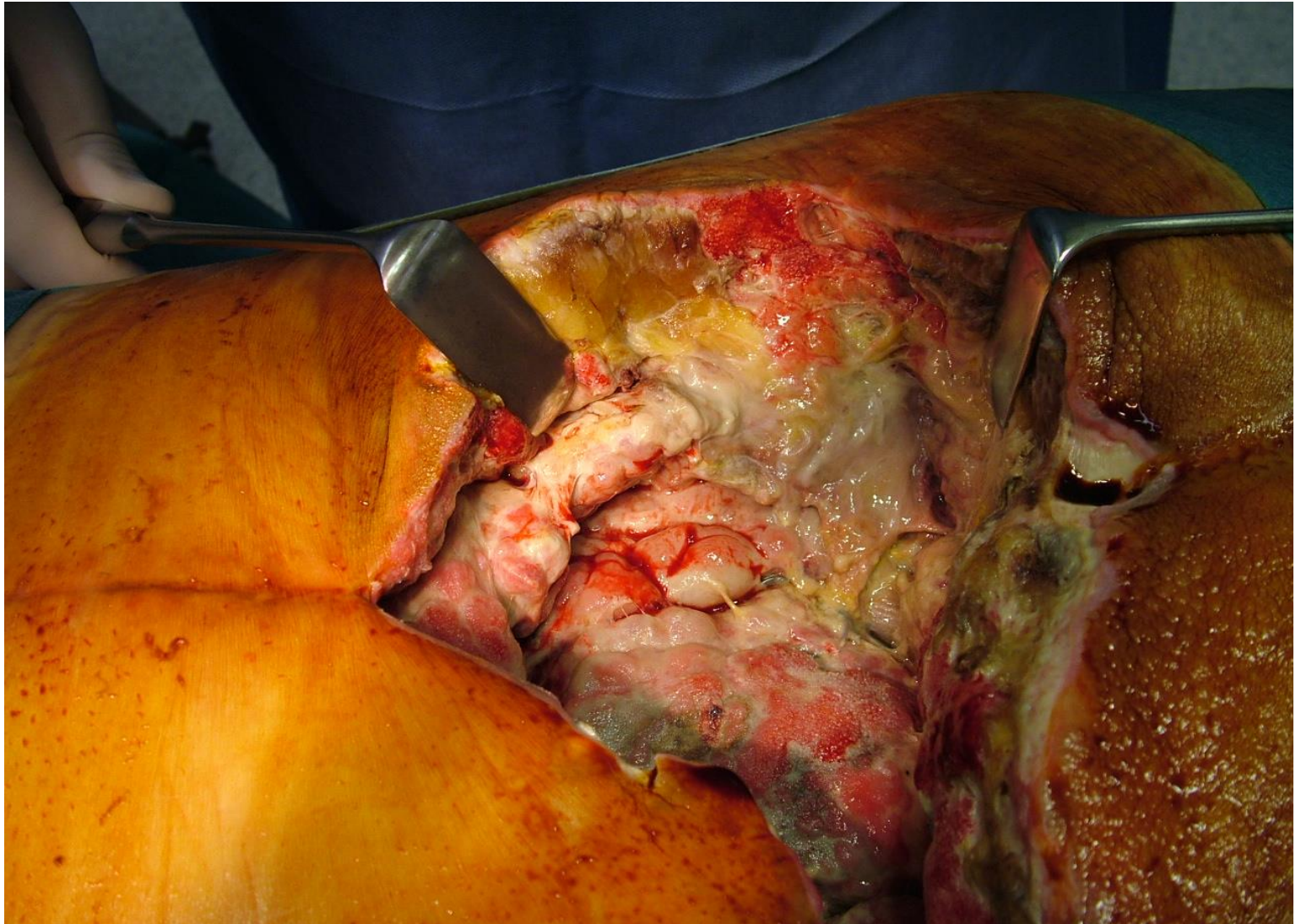
■ Date 11/04



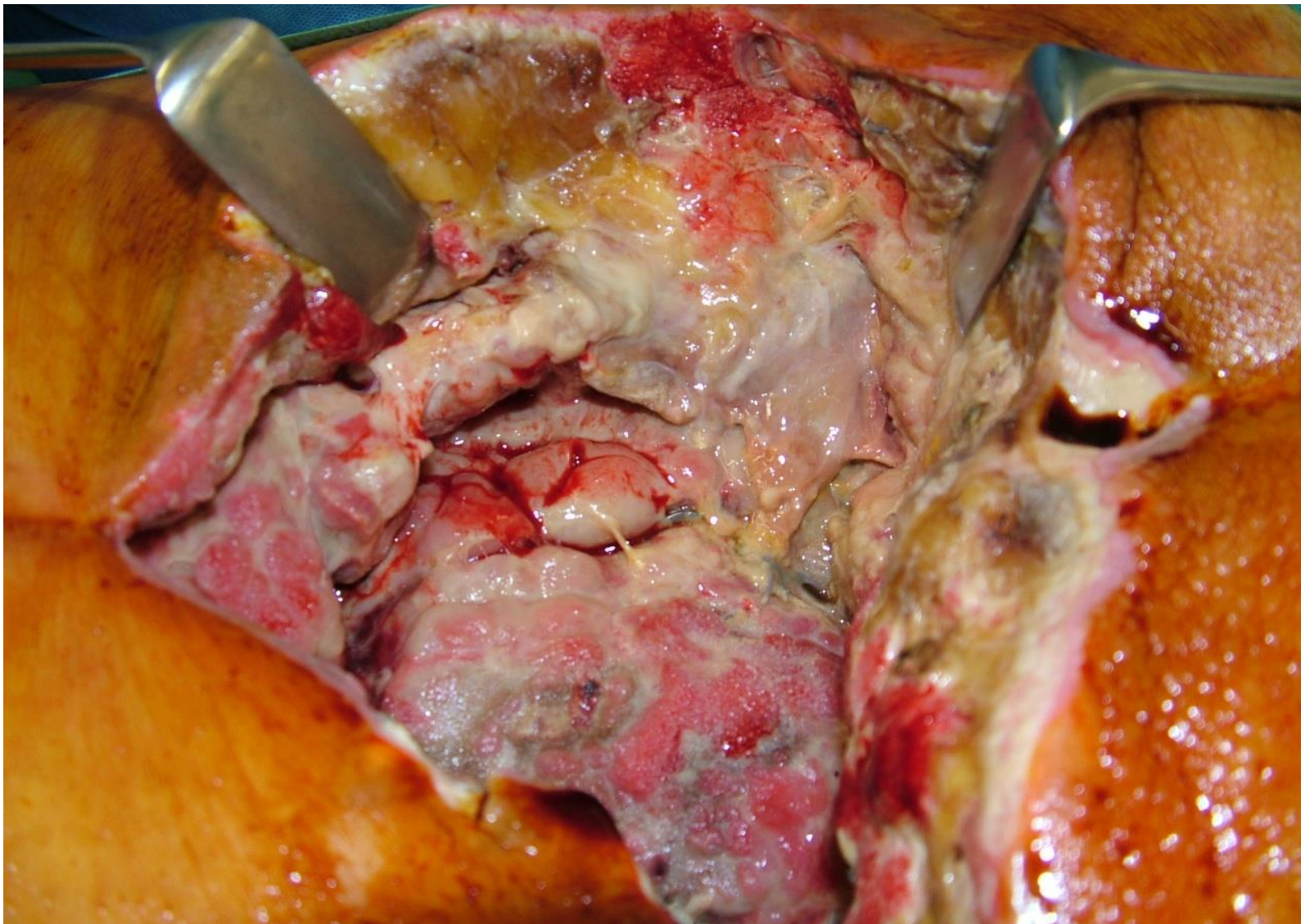
■ Date 11/04



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■ Date 11/04



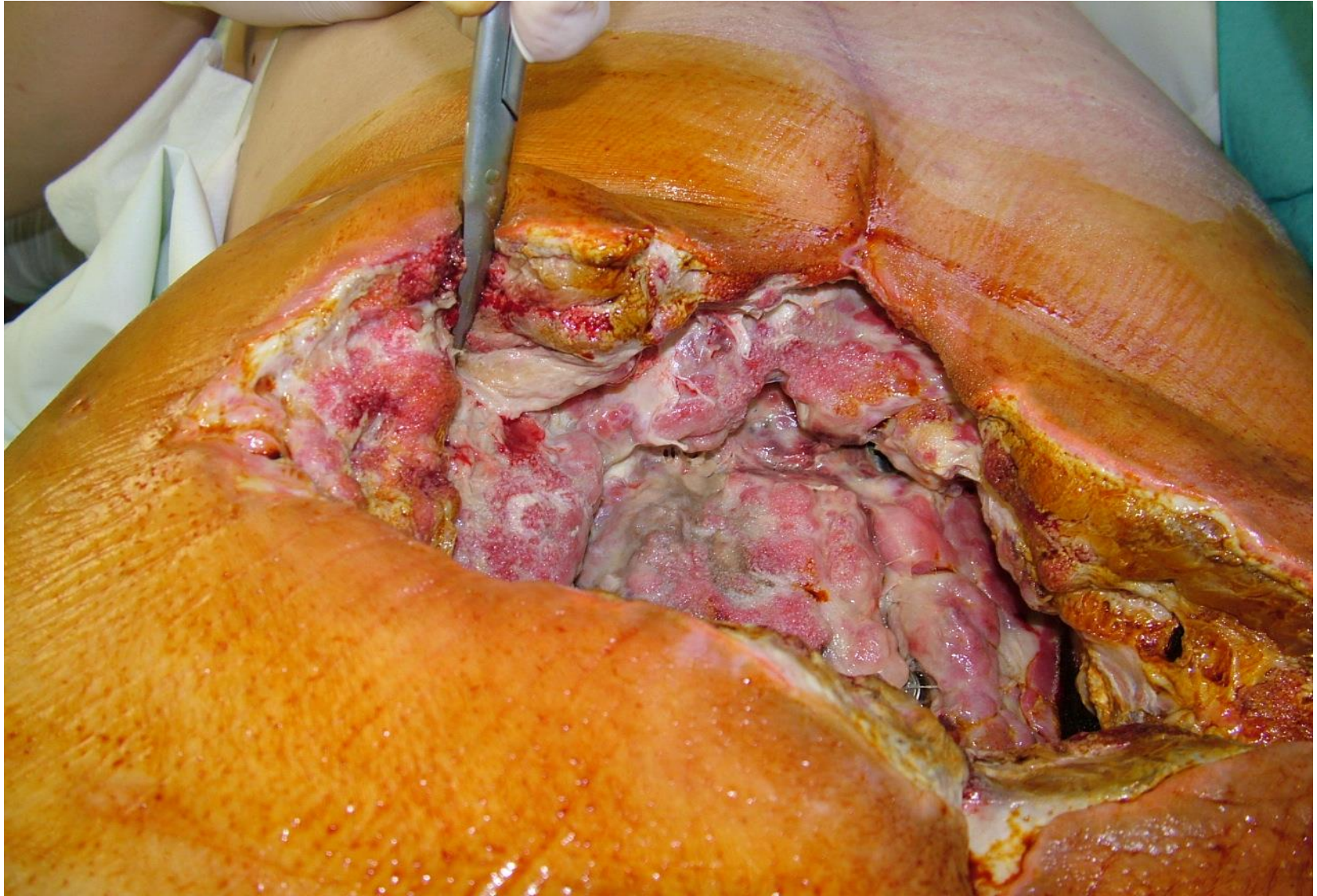
■ Date 14/04



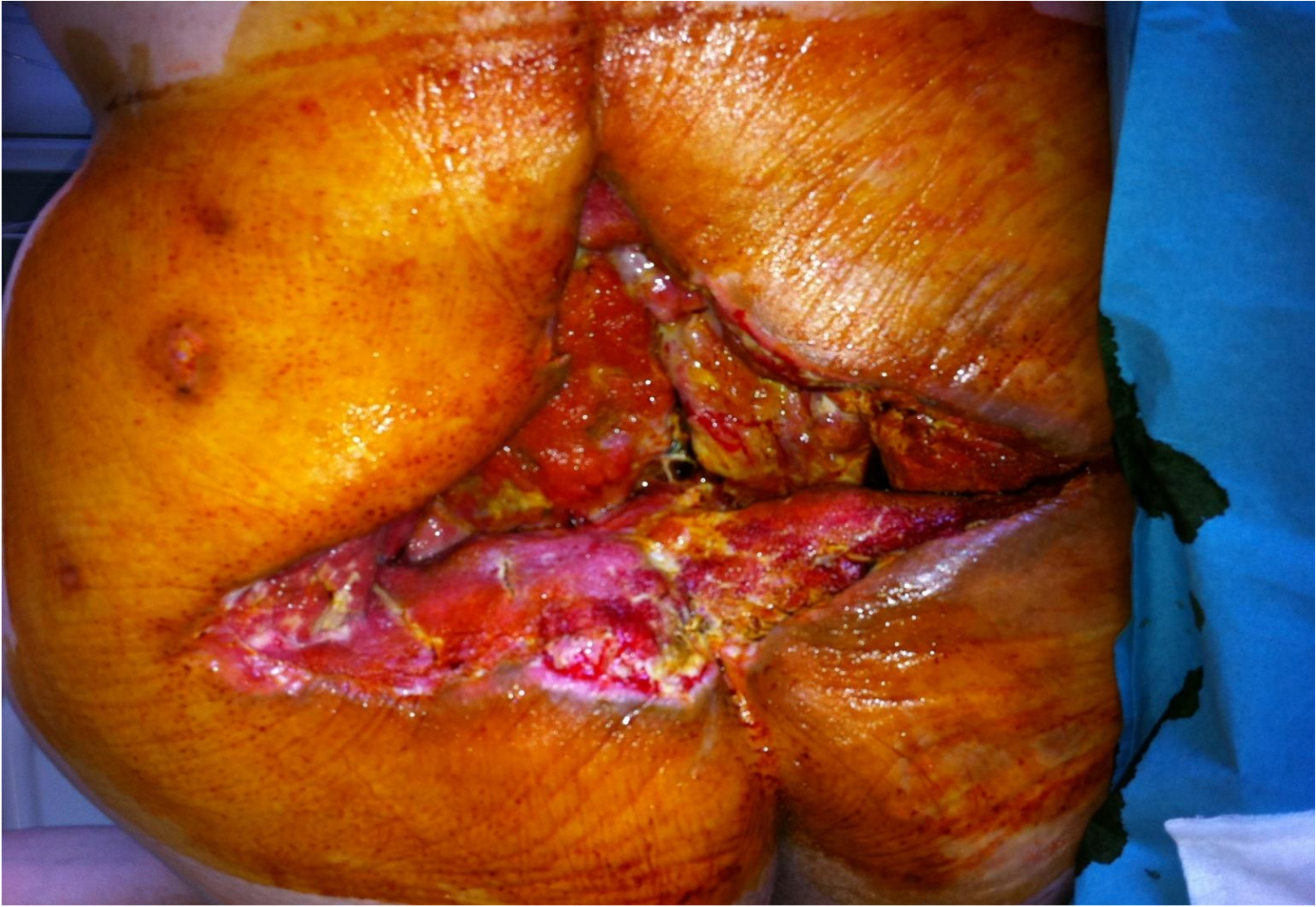
■ Date 14/04



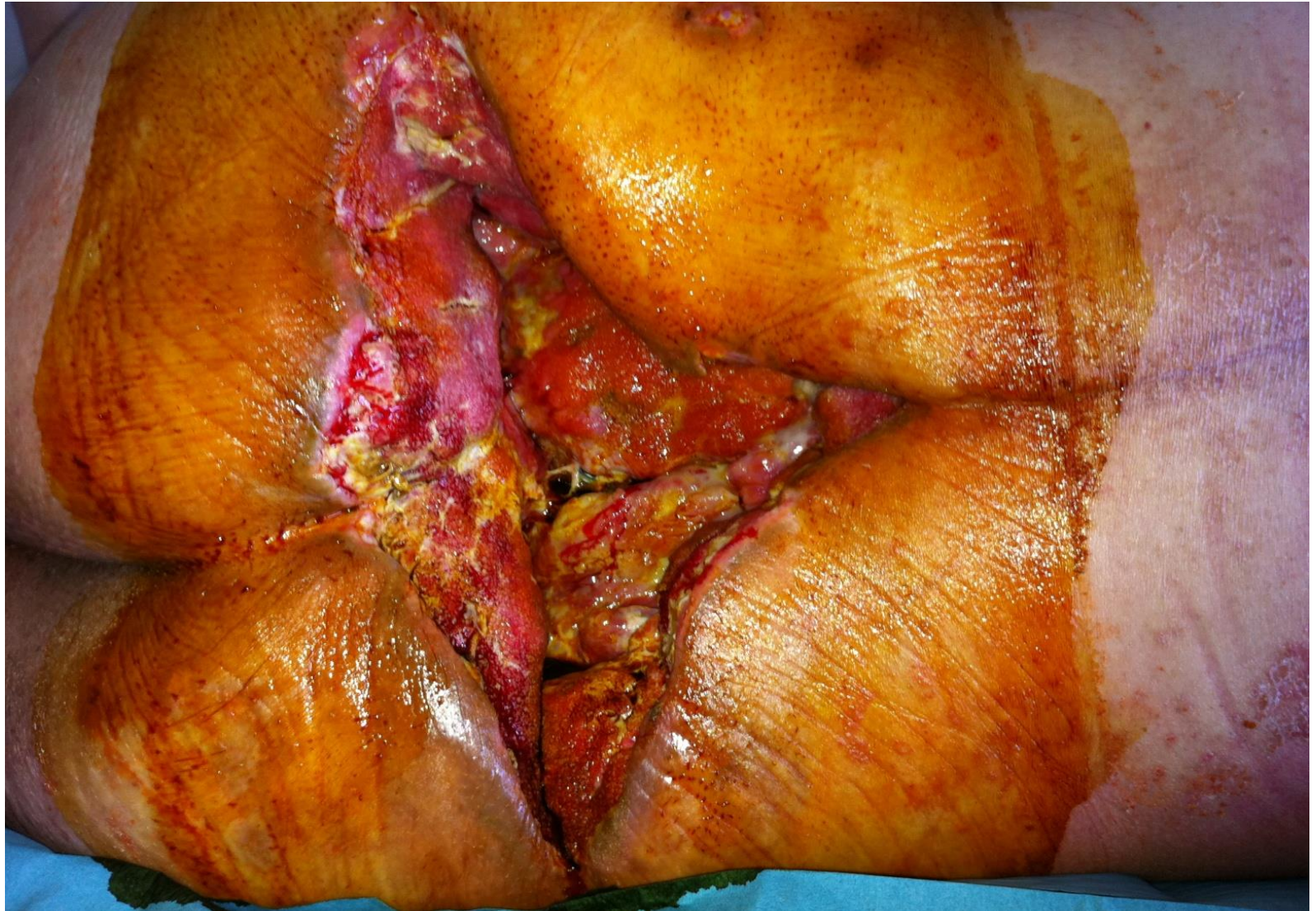
■ Date 14/04



■ Date 26/04



■ Date 26/04



■ Date 06/05



■ Date 06/05



■ Date 06/05



■ Date 06/05



■ Date 16/05



■ Date 16/05



■ Date 25/05



■ Date 25/05



- Date 30/05
- Plastic surgery was performed

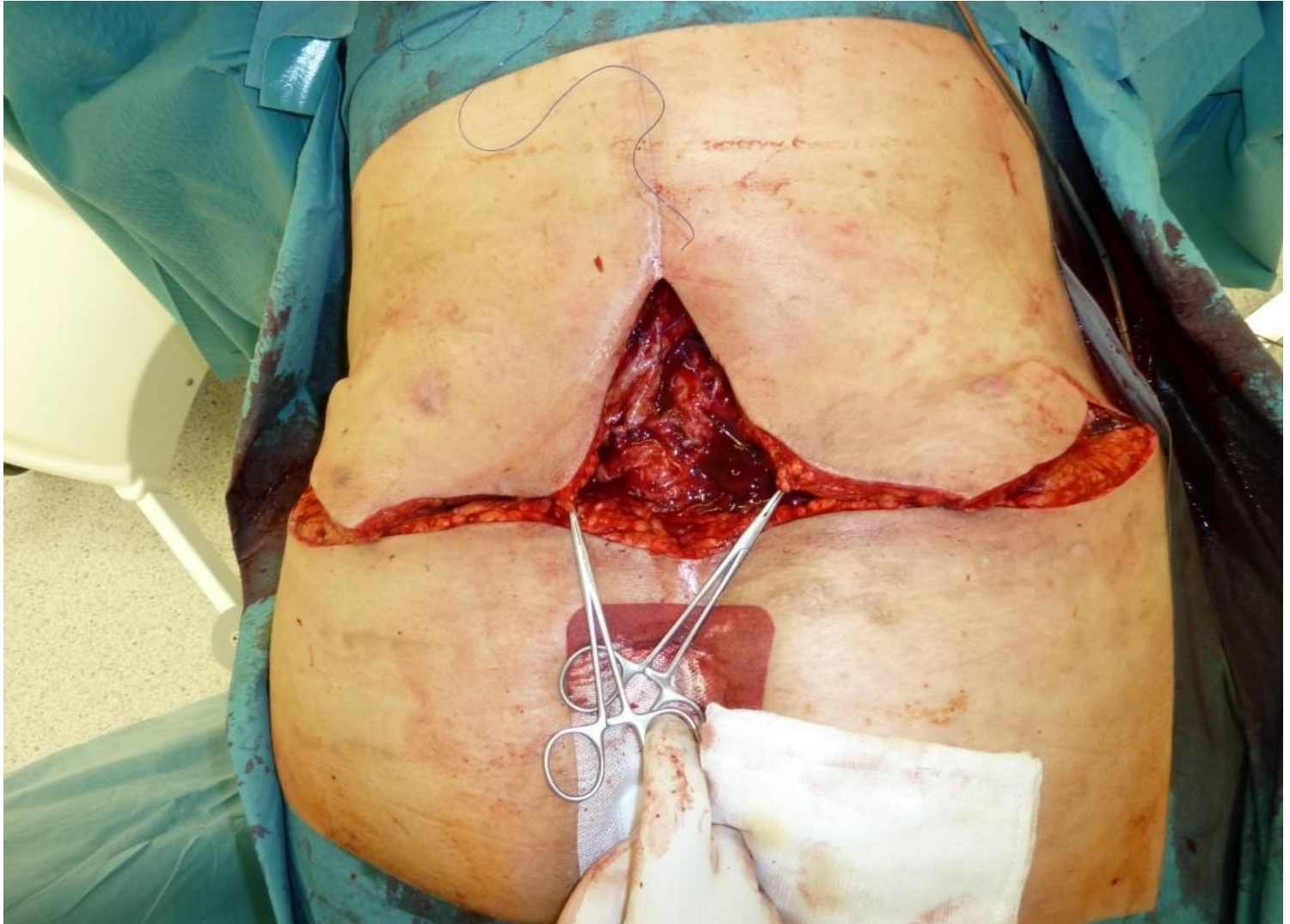


- Date 30/05
- Plastic surgery was performed

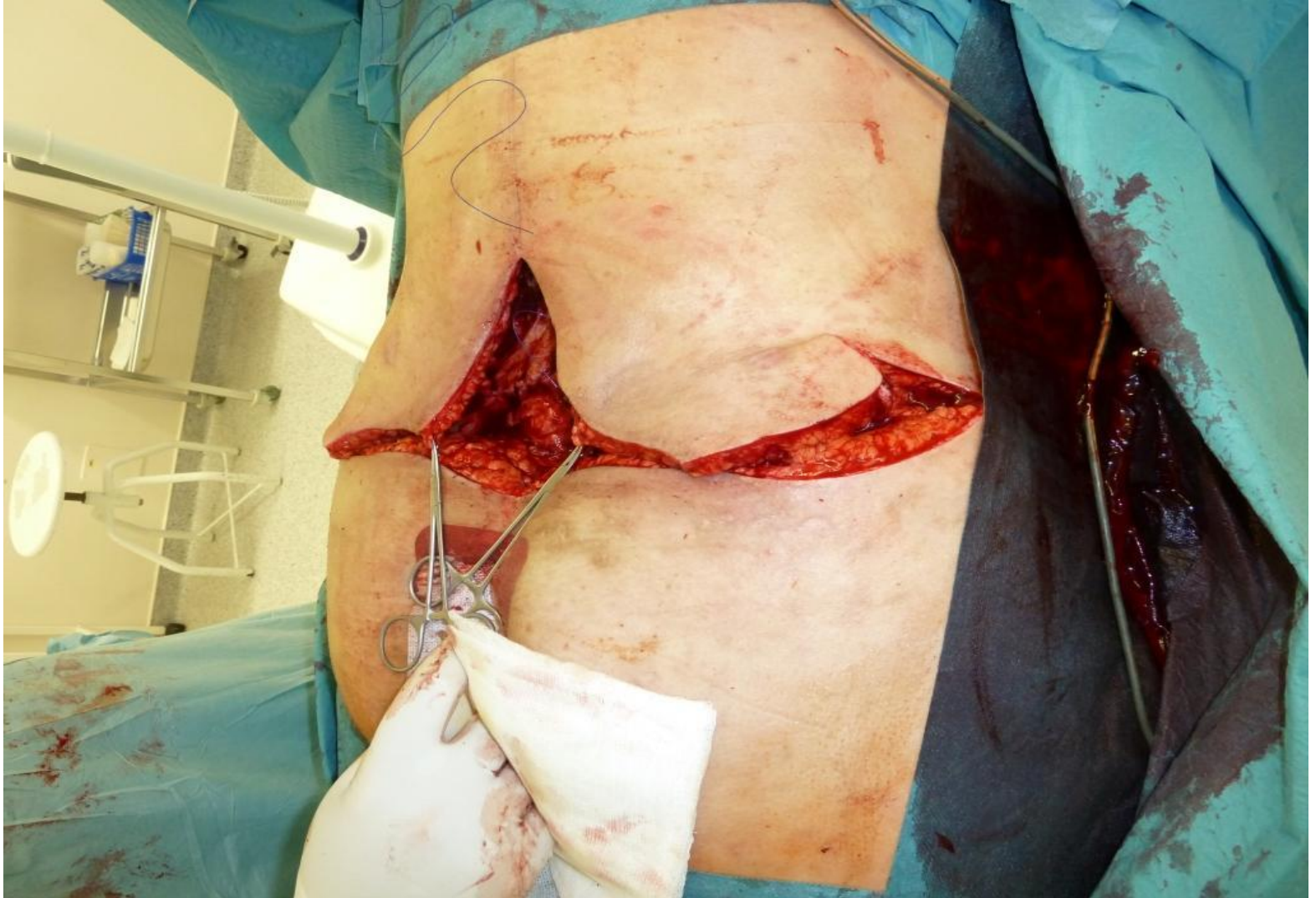


■ Date 30/05

■ Plastic surgery was performed



- Date 30/05
- Plastic surgery was performed



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- Date 30/05

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- Date 30/05

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Thank you for your attention!
Dziękuję za uwagę!