



My most nightmarish case : « The orthopedic « dark side » of vascular surgeon »

« *Oups !* »



Disclosures





Disclosures





Disclosures





Spring 2021

- ❖ Healing center
- ❖ Woman, 81 y-old
- ❖ Toe pain after pedicure care





Spring 2021

- ❖ Healing center
- ❖ Woman, 81 y-old
- ❖ Toe pain after pedicure care





Spring 2021

- ❖ Healing center
- ❖ Woman, 81 y-old
- ❖ Toe pain after pedicure care





Spring 2021

- ❖ Healing center
- ❖ Woman, 81 y-old
- ❖ Toe pain after pedicure care
- ❖ High Blood Pressure
- ❖ Active smoke
- ❖ Chronic obstructive pulmonary disease
- ❖ Diabete

and...



Spring 2021

- ❖ Healing center
- ❖ Woman, 81 y-old
- ❖ Toe pain after pedicure care
- ❖ High Blood Pressure
- ❖ Active smoke
- ❖ Chronic obstructive pulmonary disease
- ❖ Diabete
- ❖ 1991: very serious road accident (bike Vs truck), multiple left leg fracture

and...



Spring 2021

- ❖ Healing center
- ❖ Woman, 81 y-old
- ❖ Toe pain after pedicure care
- ❖ High Blood Pressure
- ❖ Active smoke
- ❖ Chronic obstructive pulmonary disease
- ❖ Diabete

and...





Spring 2021

- ❖ Healing center
- ❖ Woman, 81 y-old
- ❖ Toe pain after pedicure care

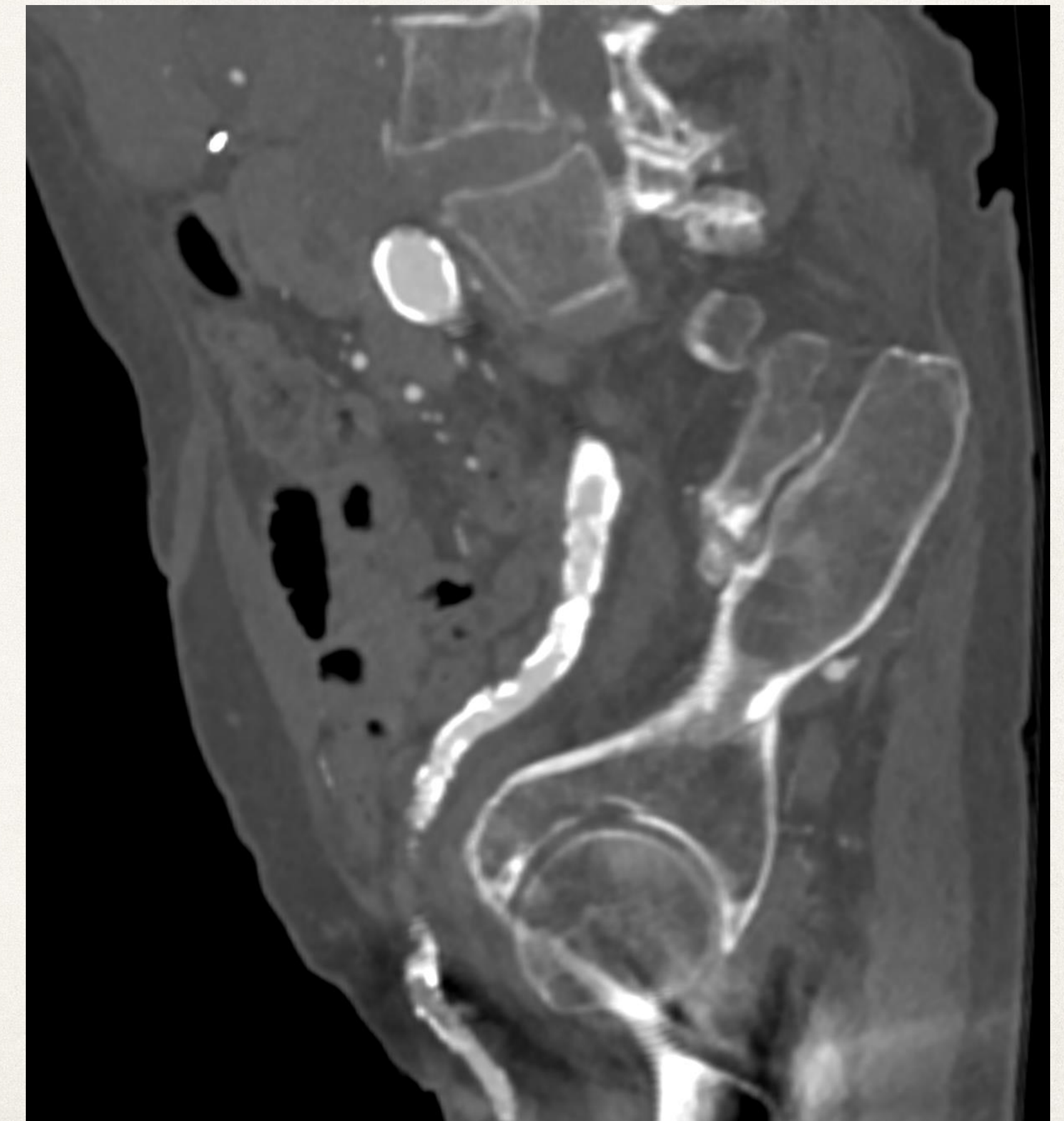
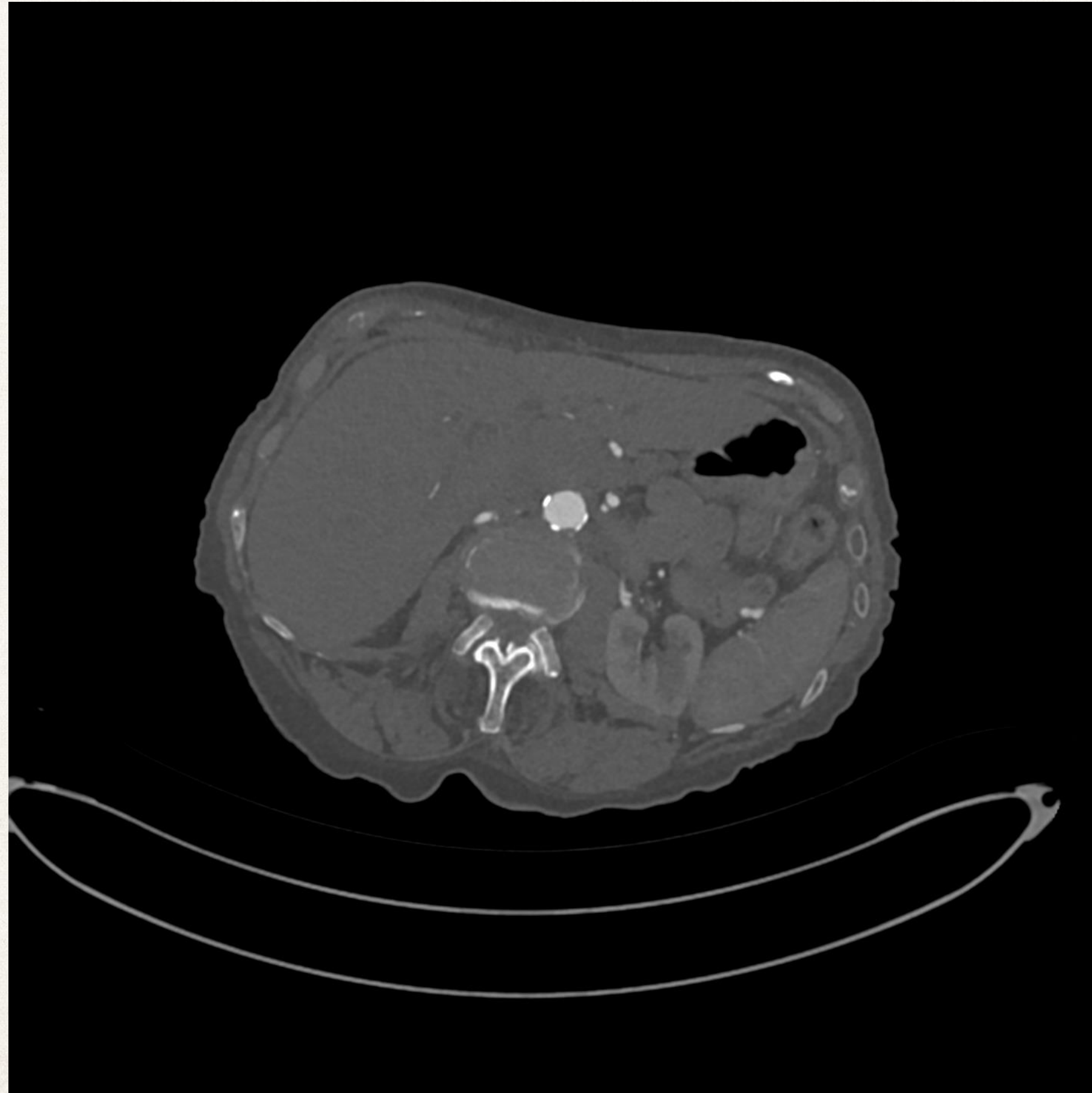


and...





Spring 2021





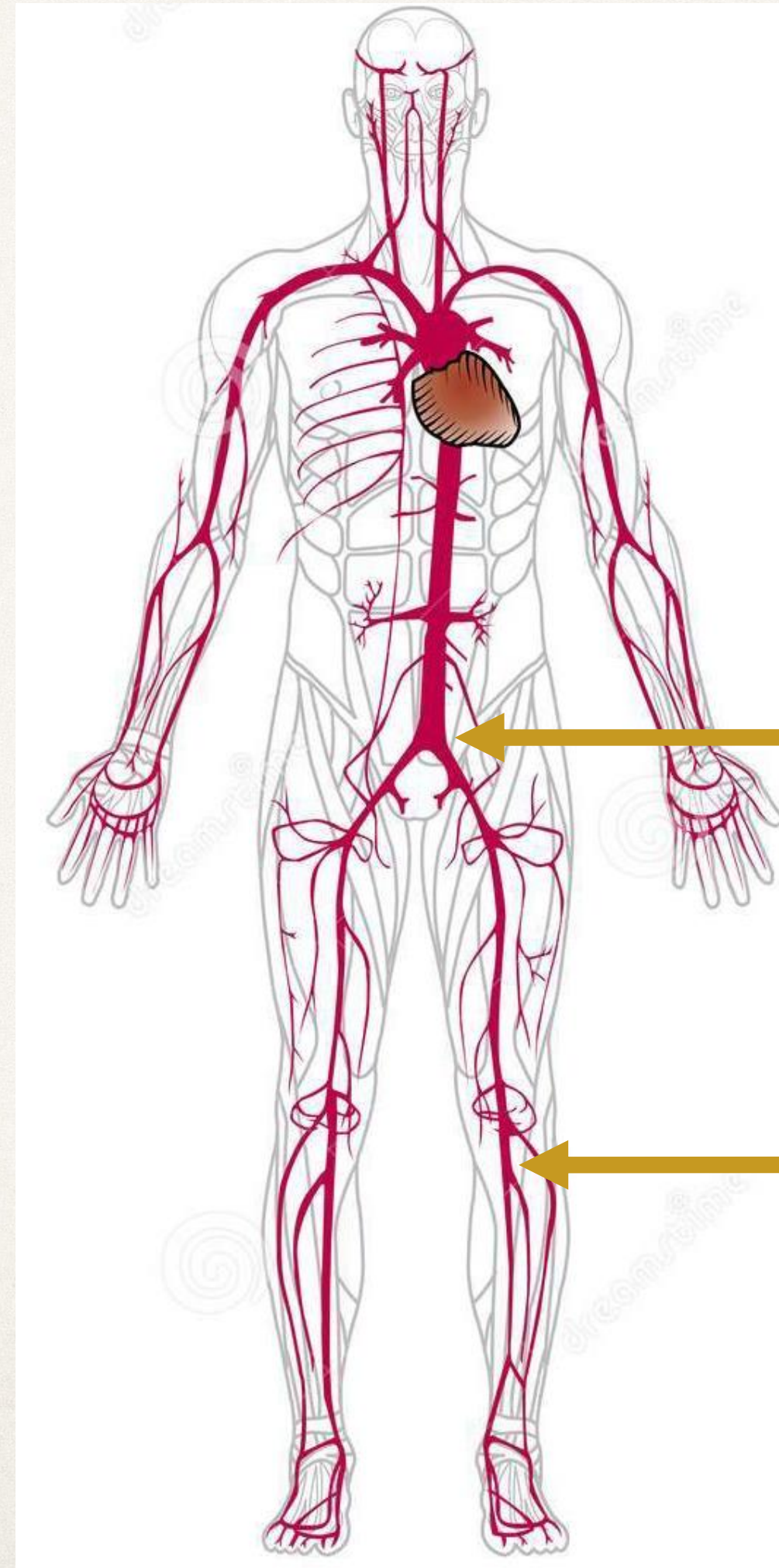
Spring 2021

- ❖ Indication: yes
- ❖ Proximal zone: Aorto-iliac junction ?
- ❖ Distal zone: tibial-fibular trunk / anterior tibial artery



Spring 2021

- ❖ Indication: yes
- ❖ Proximal zone: Aorto-iliac junction ?
- ❖ Distal zone: tibial-fibular trunk / anterior tibial artery





Let's go

- ❖ Median laparotomy and proximal zone control :
Aorto-iliac junction: check
- ❖ Iliac wing: hole: check
- ❖ Distal zone: lateral selective approach of anterior tibial artery: check
- ❖ Reinforced prothetic graft Gore 8mm + Venous allograft (Bioprotec)



Moment of loneliness n°1

- ❖ 1-hour later
- ❖ Post-interventionnal care:
« The foot is cold, the patient
is very painful ! »



Moment of loneliness n°1

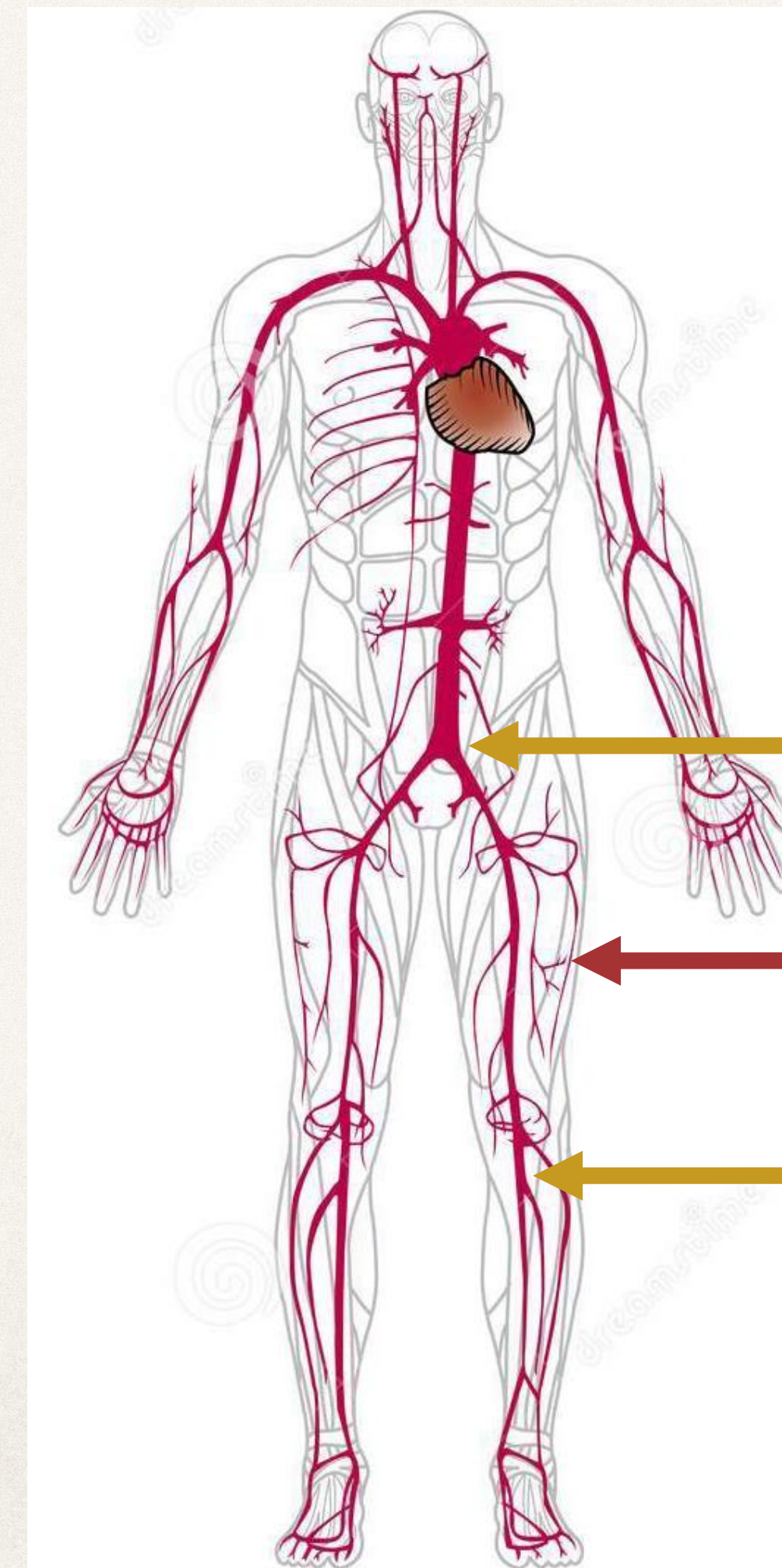
- ❖ 1-hour later
- ❖ Post-interventionnal care:
« The foot is cold, the patient
is very painful ! »





Moment of loneliness n°1

- ❖ 1-hour later
- ❖ Post-interventional care:
« The foot is cold, the patient
is very painful ! »

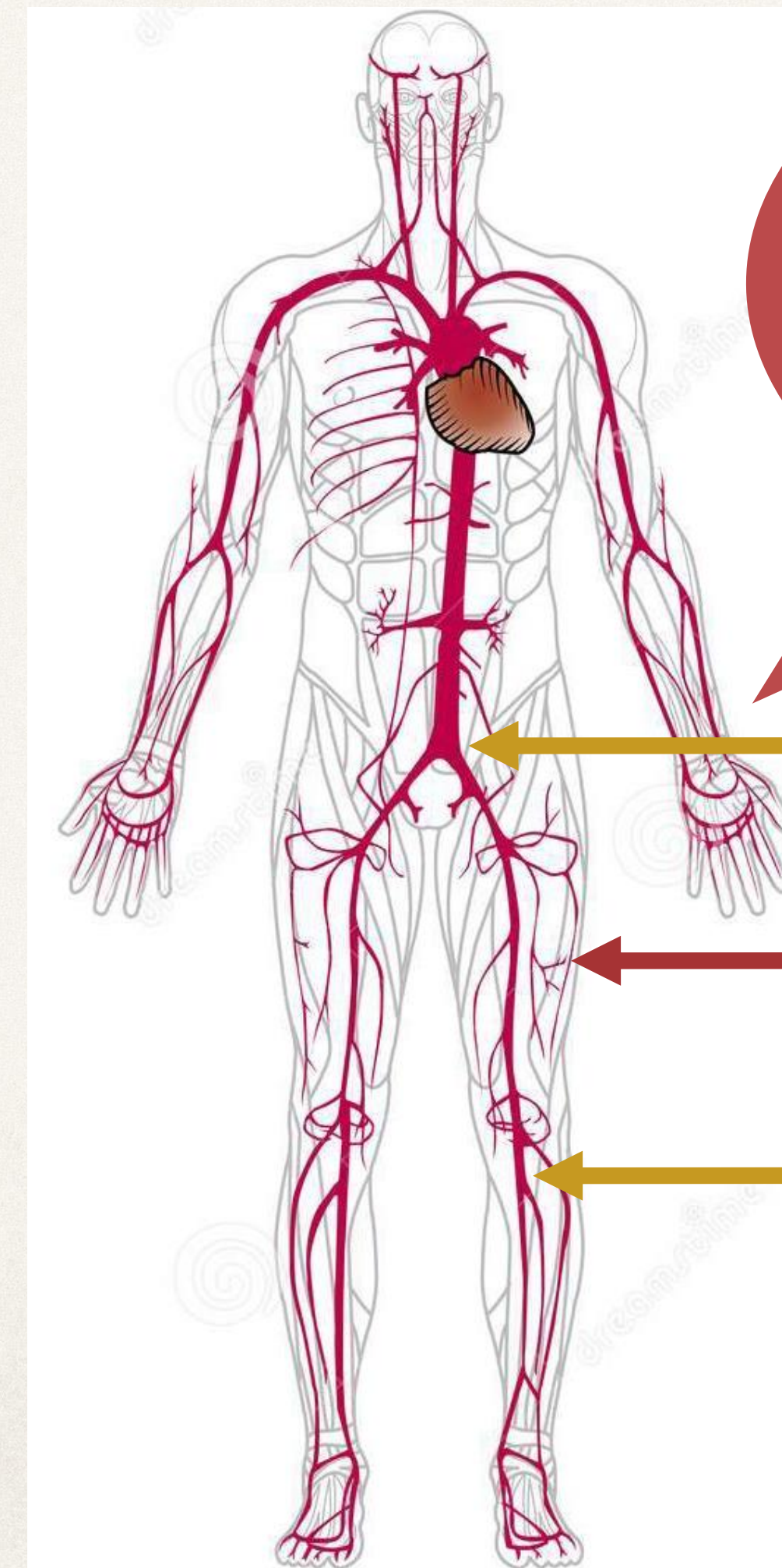


Lateral approach
of the bypass &
thrombectomy



Moment of loneliness n°1

- ❖ 1-hour later
- ❖ Post-interventional care:
« The foot is cold, the patient
is very painful ! »

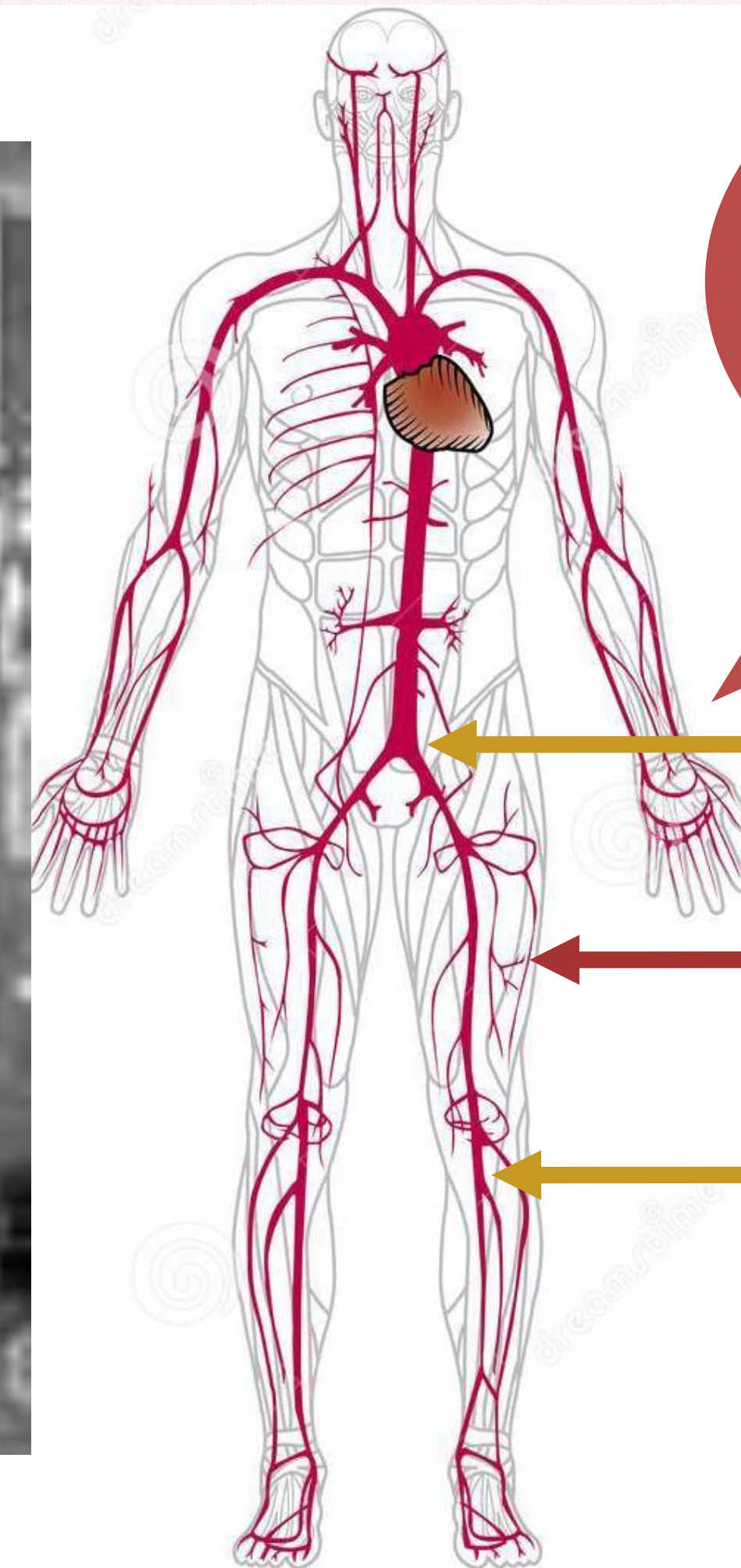


*Deep hypotension
during the surgery*

Lateral approach
of the bypass &
thrombectomy

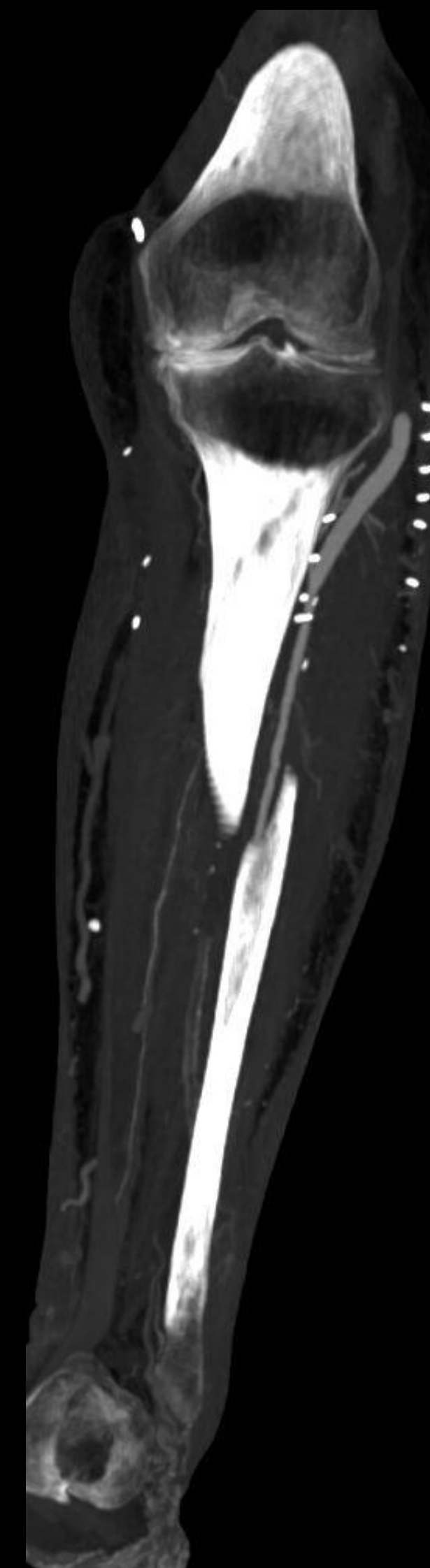
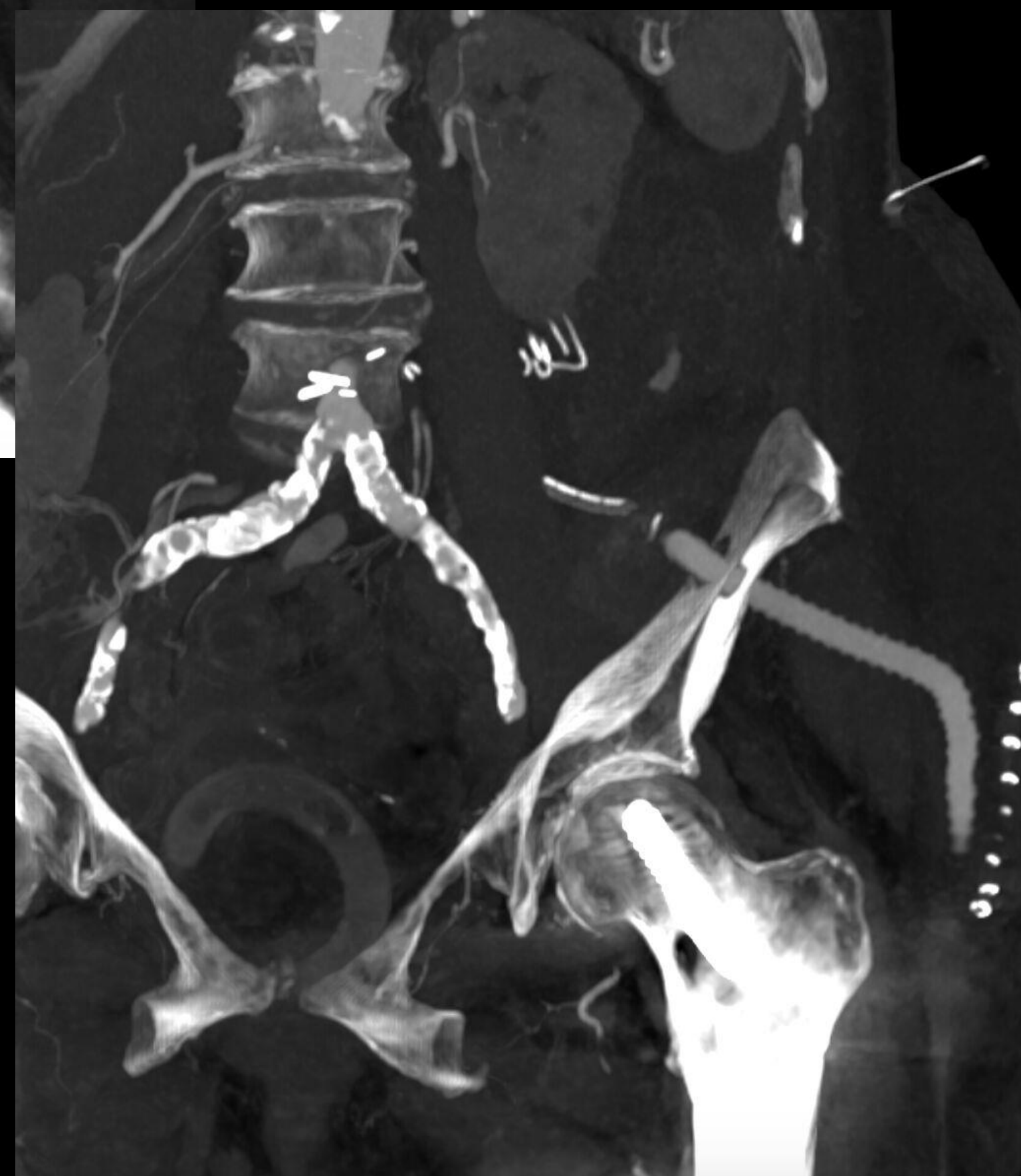


Moment of loneliness n°1



*Deep hypotension
during the surgery*

Lateral approach
of the bypass &
thrombectomy







Moment of loneliness n°2

- ❖ 2 days later
- ❖ Radiologist : « Wonderful bypass ! Just to know: what did you leave in the abdomen ? »
- ❖ Operative room: « No, textil count was ok ! »



Moment of loneliness n°2

- ❖ 2 days later
- ❖ Radiologist : « Wonderful bypass ! Just to know: what did you leave in the abdomen ? »
- ❖ Operative room: « No, textil count was ok ! »



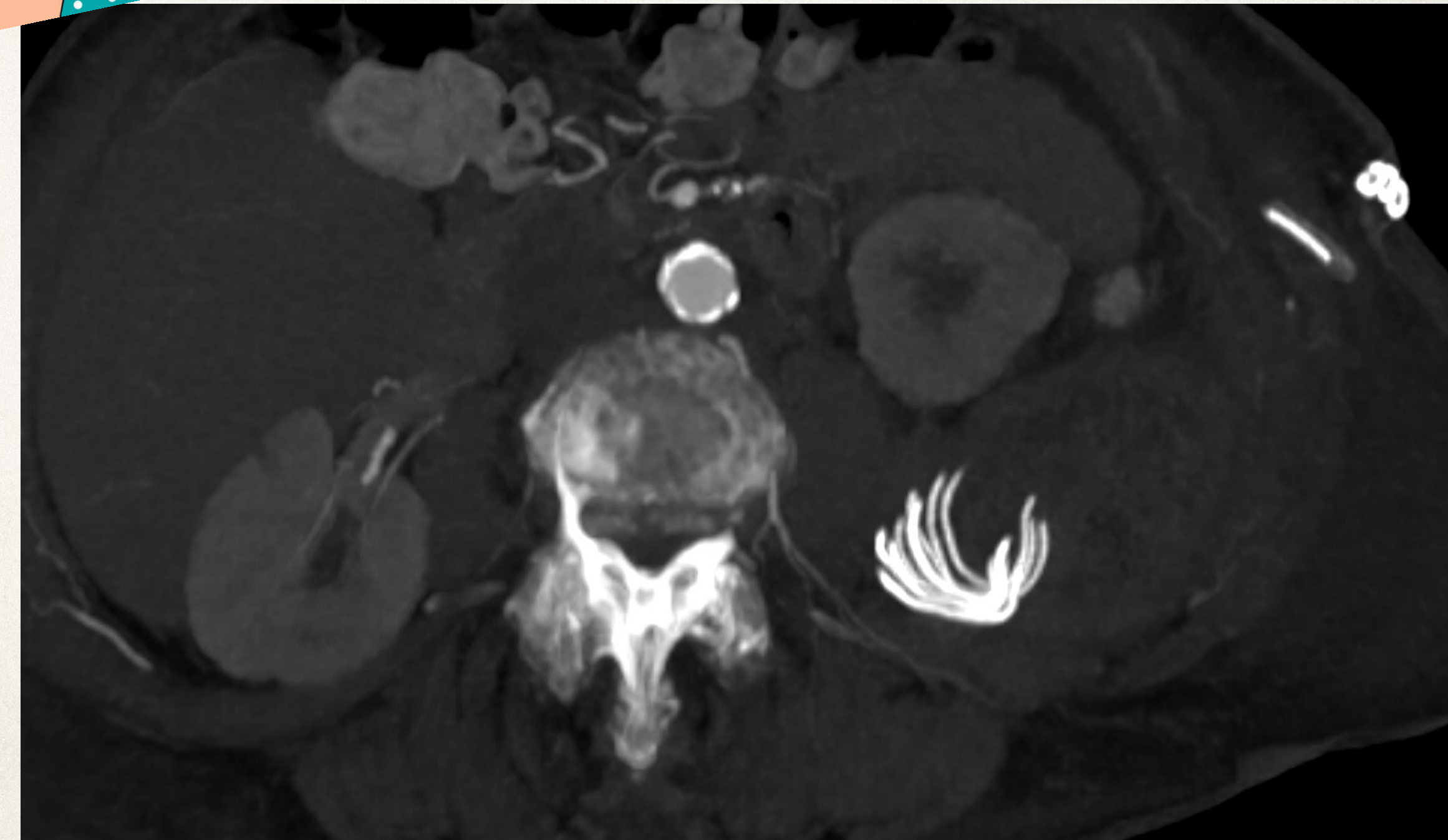


Moment of loneliness n°2

- ❖ 2 days later
- ❖ Radiologist : « Wonderful bypass ! Just to know: what did you leave in the abdomen ? »
- ❖ Operative room: « No, textil count was ok ! »



10 bloody
compresses
forgotten under
the relief of iliac
wing





Moment of loneliness

n°3

- ❖ September 2021
- ❖ Right side: bypass CFA-PFA and iliac covered stent
- ❖ Post-interventionnal care: « The foot is cold, the patient is very painful ! »



Moment of loneliness

n°3

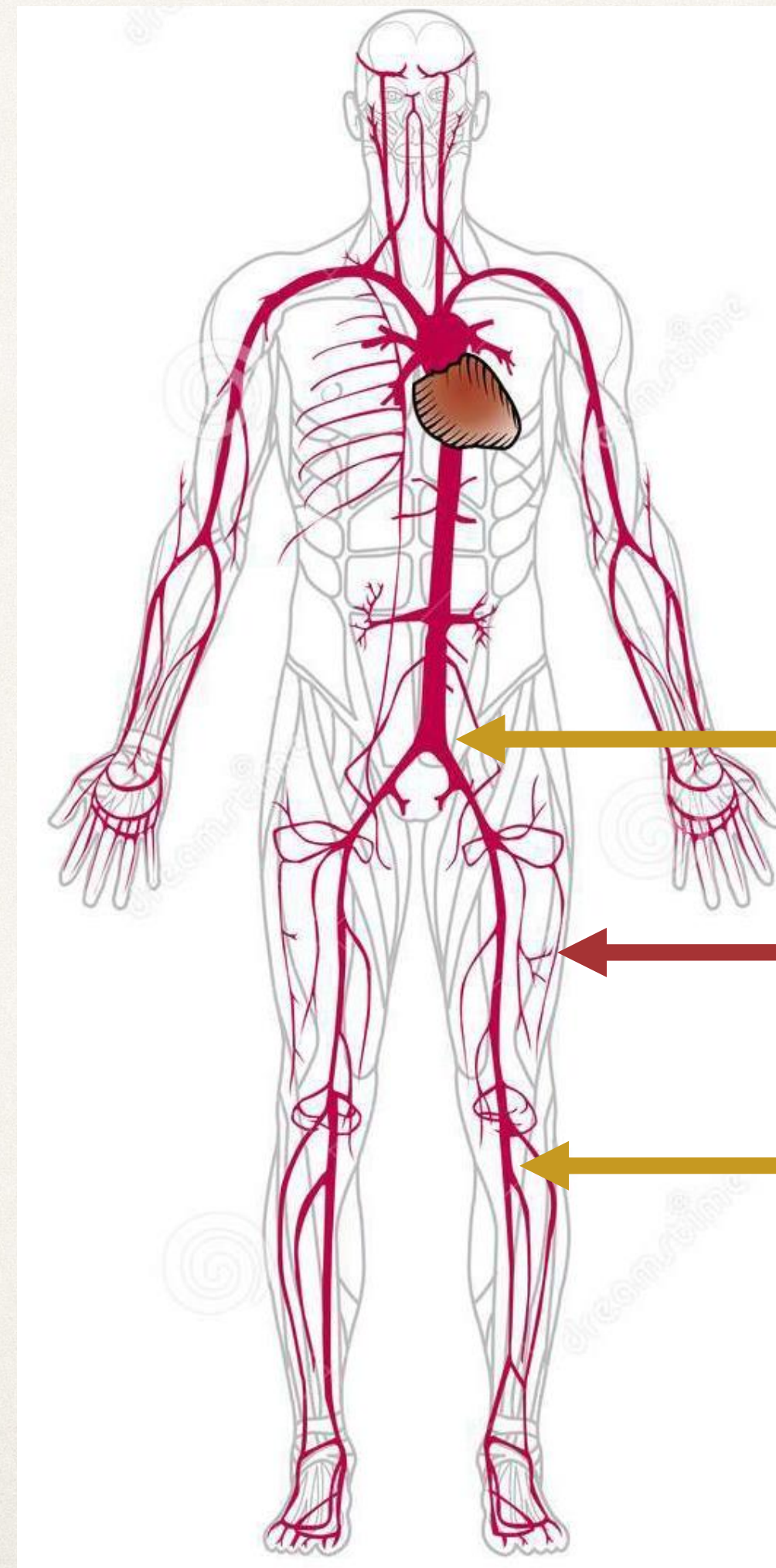
- ❖ September 2021
- ❖ Right side: bypass CFA-PFA and iliac covered stent
- ❖ Post-interventionnal care: « The foot is cold, the patient is very painful ! »
- ❖ « On the right side ? »
- ❖ « No, on the left !!! »





Moment of loneliness n°3

- ❖ Take the same and start again !



*Deep hypotension
due to anesthesia*

Lateral approach
of the bypass &
thrombectomy



Extra-anatomic bypass

> [Ann Vasc Surg.](#) 2020 Jul;66:609-613. doi: 10.1016/j.avsg.2020.01.074. Epub 2020 Jan 21.

Secondary Extra-anatomic Infrainguinal Bypass following Lower Limb Tumoral Resection

Léonore Freycon-Tardy ¹, Dorian Verscheure ¹, Elie Fadel ¹, Sacha Mussot ¹, Olaf Mercier ¹,
Philippe Brenot ¹, Ryad Bourkaib ¹, Dominique Fabre ², Stephan Haulon ¹

Results: Five patients underwent extra-anatomic iliopopliteal bypass for oncological purpose from 2008 to 2018 at our institution. Mean age at surgery time was 52 years (standard deviation = 19.3). Prosthetic graft was used in all cases. Primitive tumor involved Scarpa triangle in 3 cases (soft tissue sarcomas) and ganglionic metastasis involved Scarpa triangle in 2 cases (epidermoid carcinoma). Clinical presentation was ischemic in 4 cases and hemorrhagic in 1 case. One patient died during hospitalization. Of the 4 survivors, 3 patients had a patent bypass at the end of follow-up (2 had bypass thrombectomy, 1 patient had major amputation).



Extra-anatomic bypass

> [Ann Vasc Surg.](#) 2020 Jul;66:609-613. doi: 10.1016/j.avsg.2020.01.074. Epub 2020 Jan 21.

Secondary Extra-anatomic Infrainguinal Bypass following Lower Limb Tumoral Resection

Léonore Freycon-Tardy ¹, Dorian Verscheure ¹, Elie Fadel ¹, Sacha Mussot ¹, Olaf Mercier ¹, Philippe Brenot ¹, Ryad Bourkaib ¹, Dominique Fabre ², Stephan Haulon ¹

Results: Five patients underwent extra-anatomic iliopopliteal bypass for oncological purpose from 2008 to 2018 at our institution. Mean age at surgery time was 52 years (standard deviation = 19.3). Prosthetic graft was used in all cases. Primitive tumor involved Scarpa triangle in 3 cases (soft tissue sarcomas) and ganglionic metastasis involved Scarpa triangle in 2 cases (epidermoid carcinoma). Clinical presentation was ischemic in 4 cases and hemorrhagic in 1 case. One patient died during hospitalization. Of the 4 survivors, 3 patients had a patent bypass at the end of follow-up (2 had bypass thrombectomy, 1 patient had major amputation).

[EJVES Short Rep.](#) 2019; 42: 31-33.

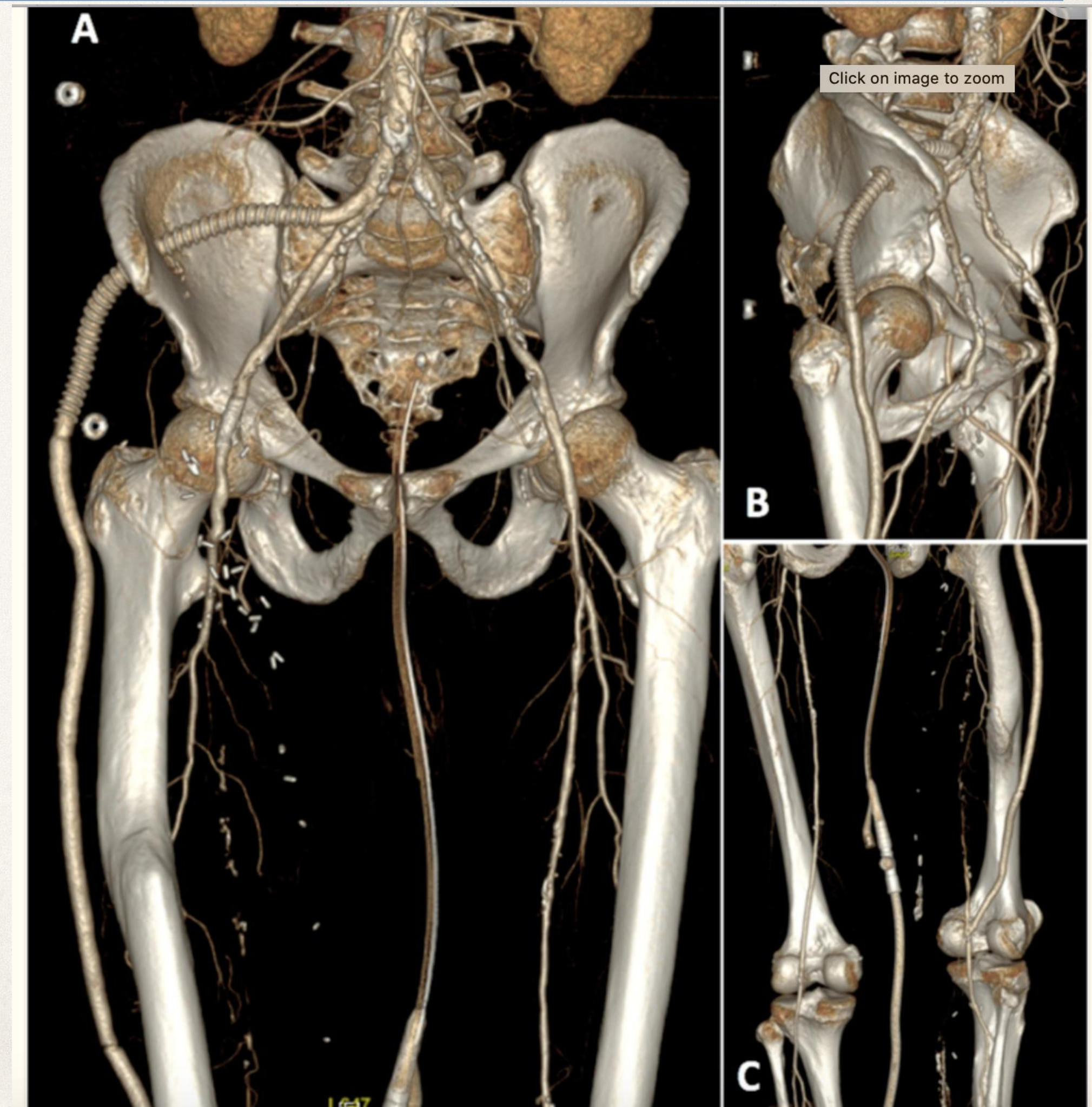
Published online 2019 Feb 20. doi: [10.1016/j.ejvssr.2019.01.002](#)

PMCID: PMC6411489

PMID: [30931404](#)

Trans-iliac Bypass for Critical Limb Ischaemia with Groin Necrosis: A Case Report

Youcef Lounes, * Baris A. Ozdemir, Pierre Alric, and Ludovic Canaud





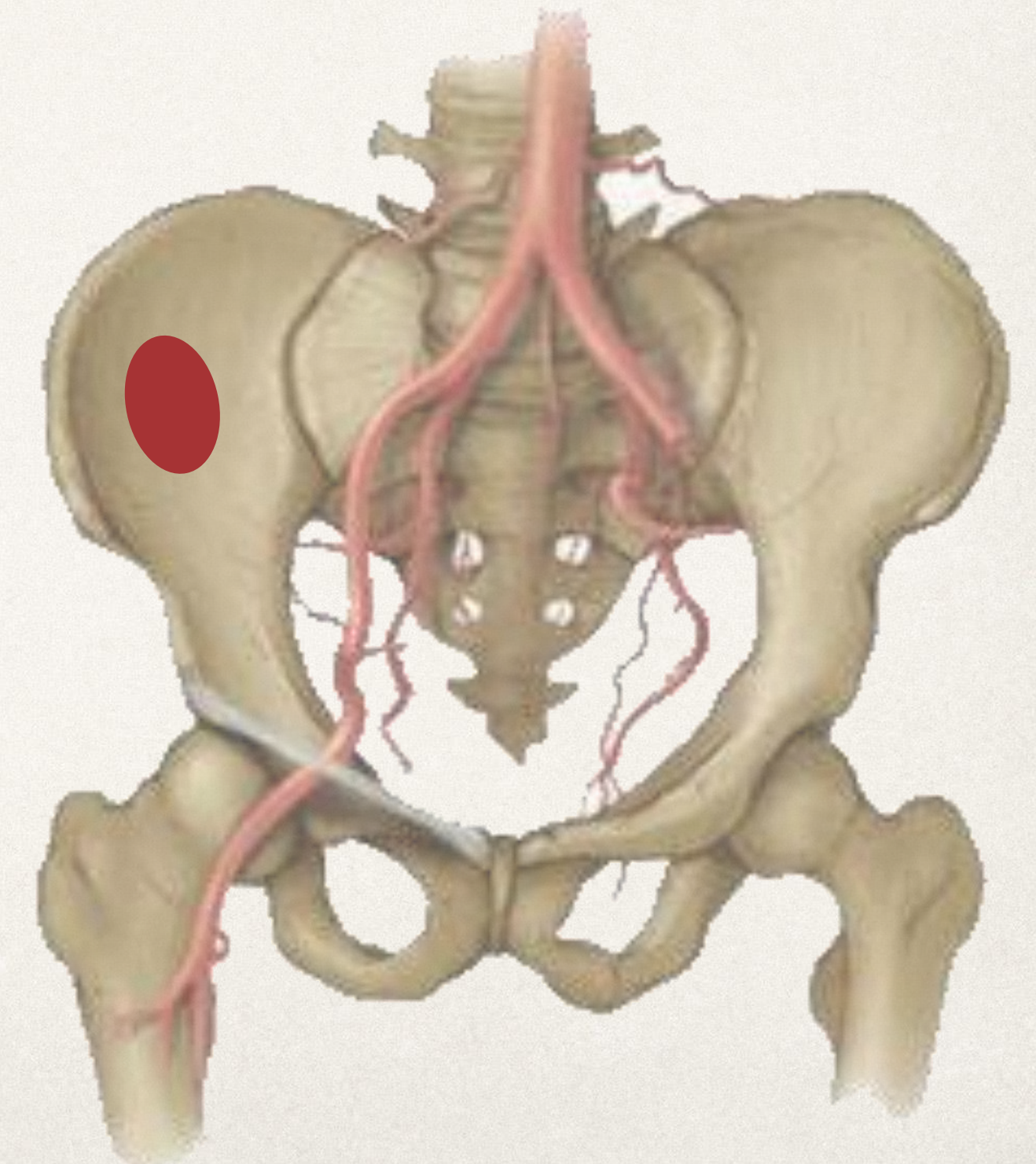
Take home message

- ❖ No choice here, and good result at 1 year (*but 2 recoveries, but no choice, etc, etc*)
- ❖ Other extra-anatomic option impossible



Take home message

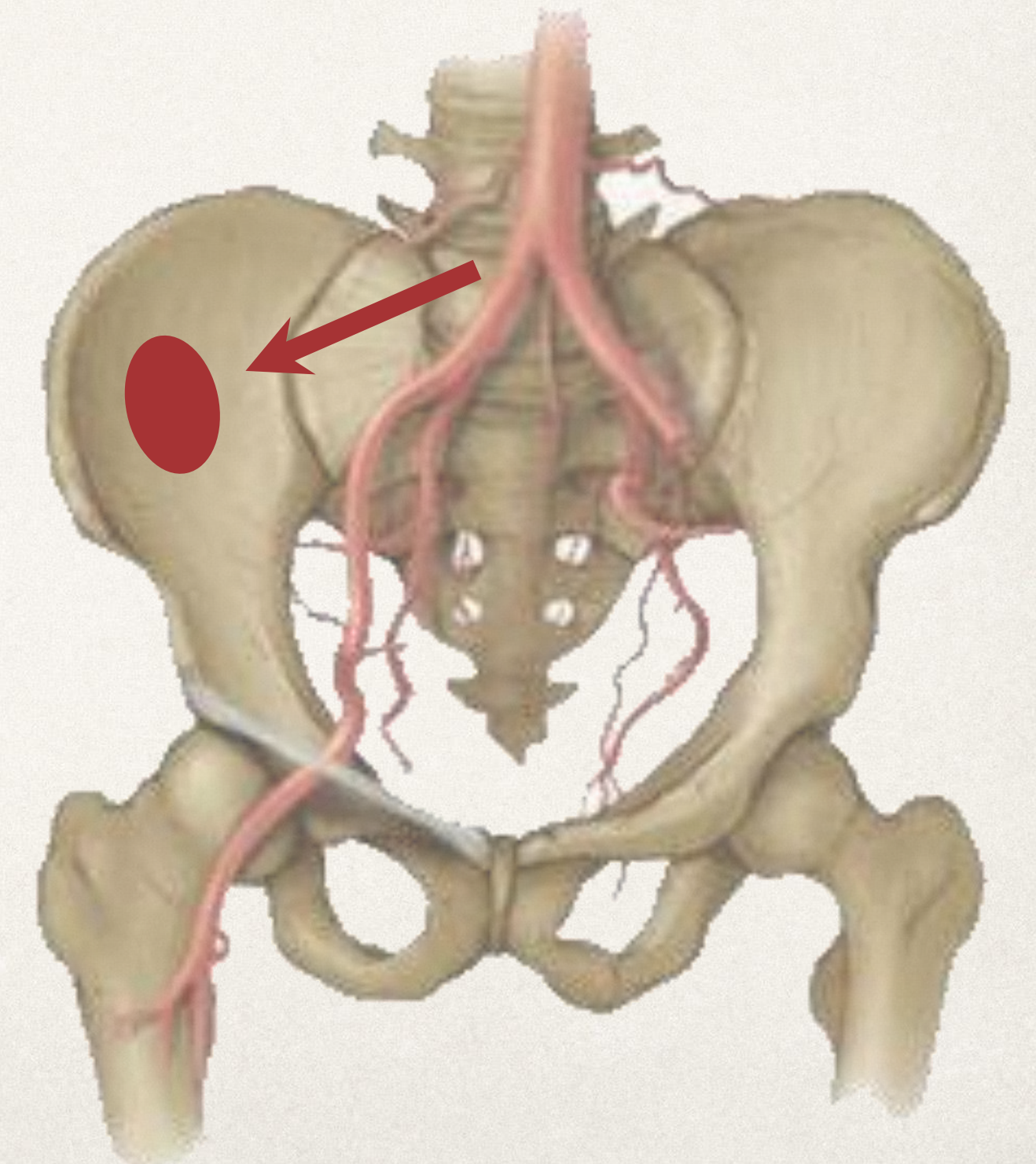
- ❖ No choice here, and good result at 1 year (*but 2 recoveries, but no choice, etc, etc*)
- ❖ Other extra-anatomic option impossible
- ❖ Orthopedic tips:





Take home message

- ❖ No choice here, and good result at 1 year (*but 2 recoveries, but no choice, etc, etc*)
- ❖ Other extra-anatomic option impossible
- ❖ Orthopedic tips:





*Dr Lauranne Matray, Clinique de l'Union
Perspectives, 17 juin 2022, Bordeaux*