Anatomy and Importance of Lateral Femoral Circumflex Artery (LFCA)

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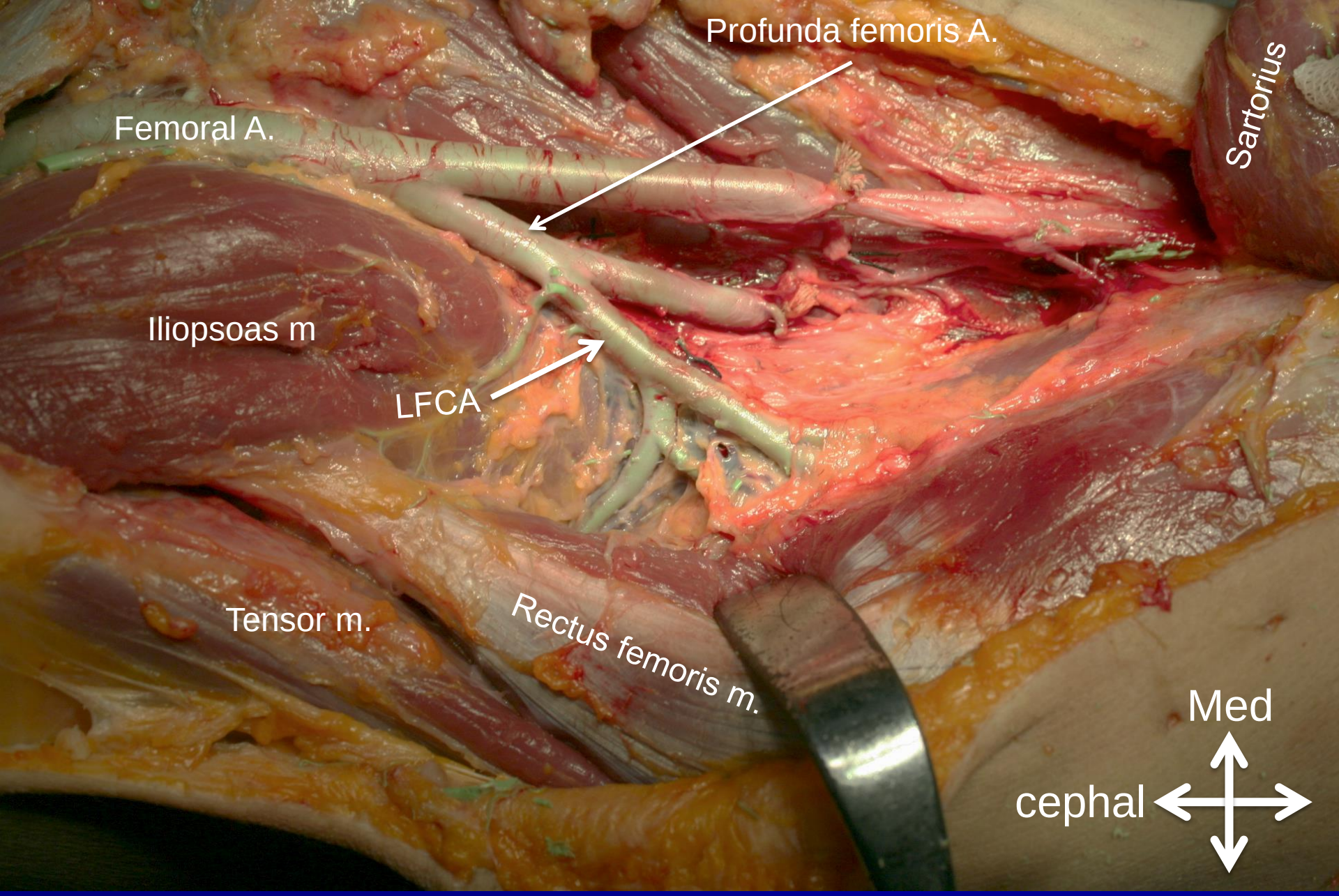
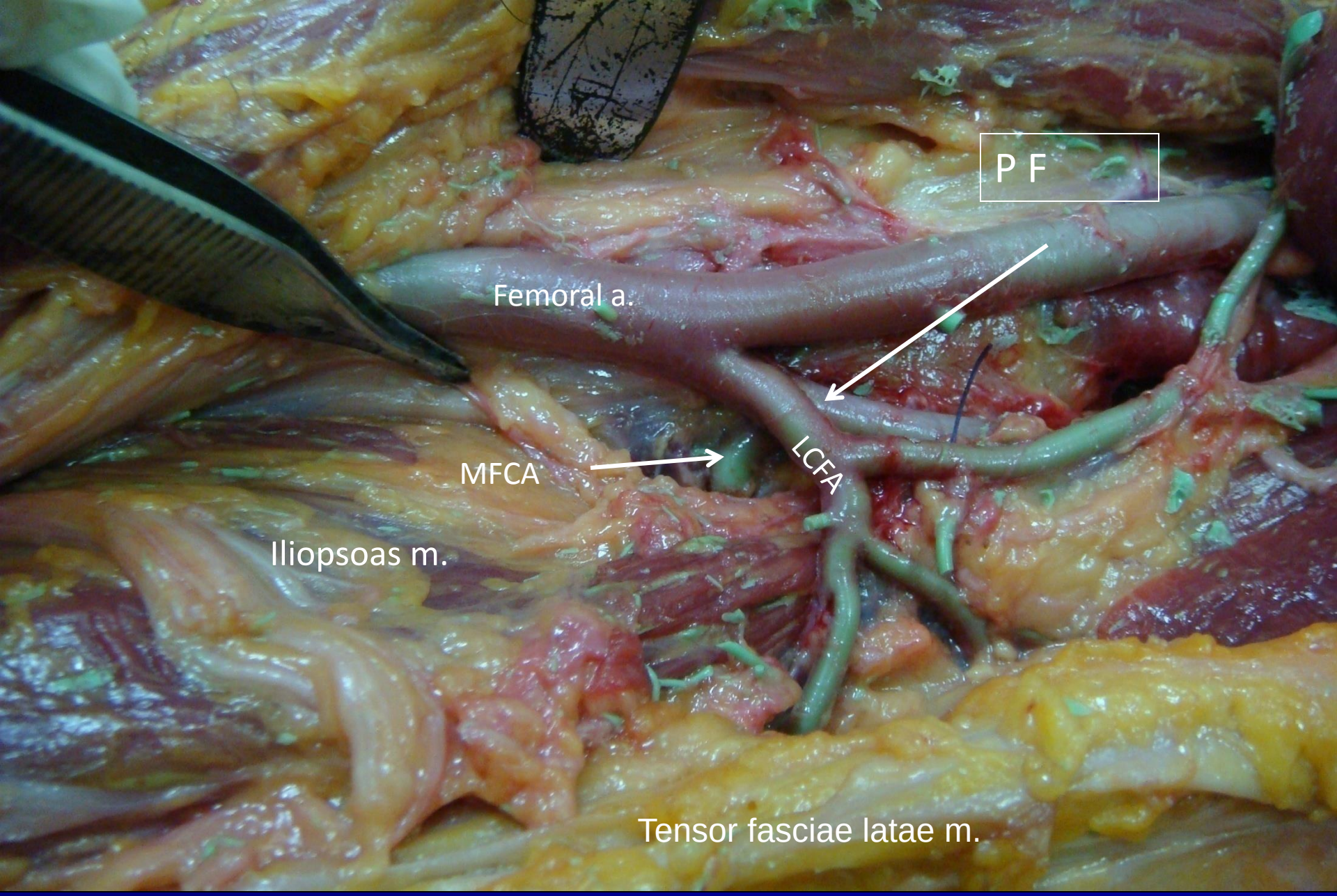
LFCA

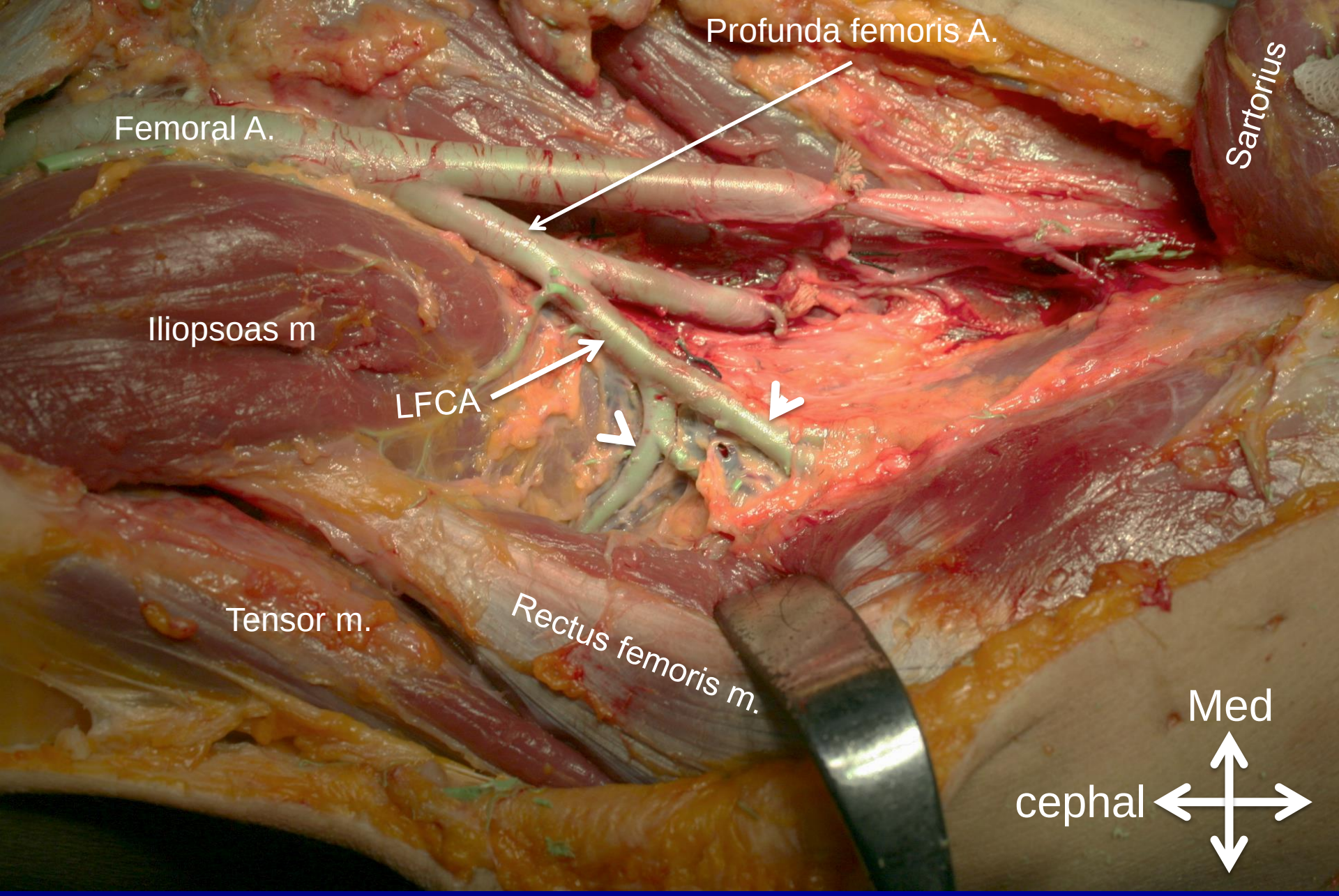
- The LFCA is not as well defined as the MFCA in terms of its distribution and contribution.



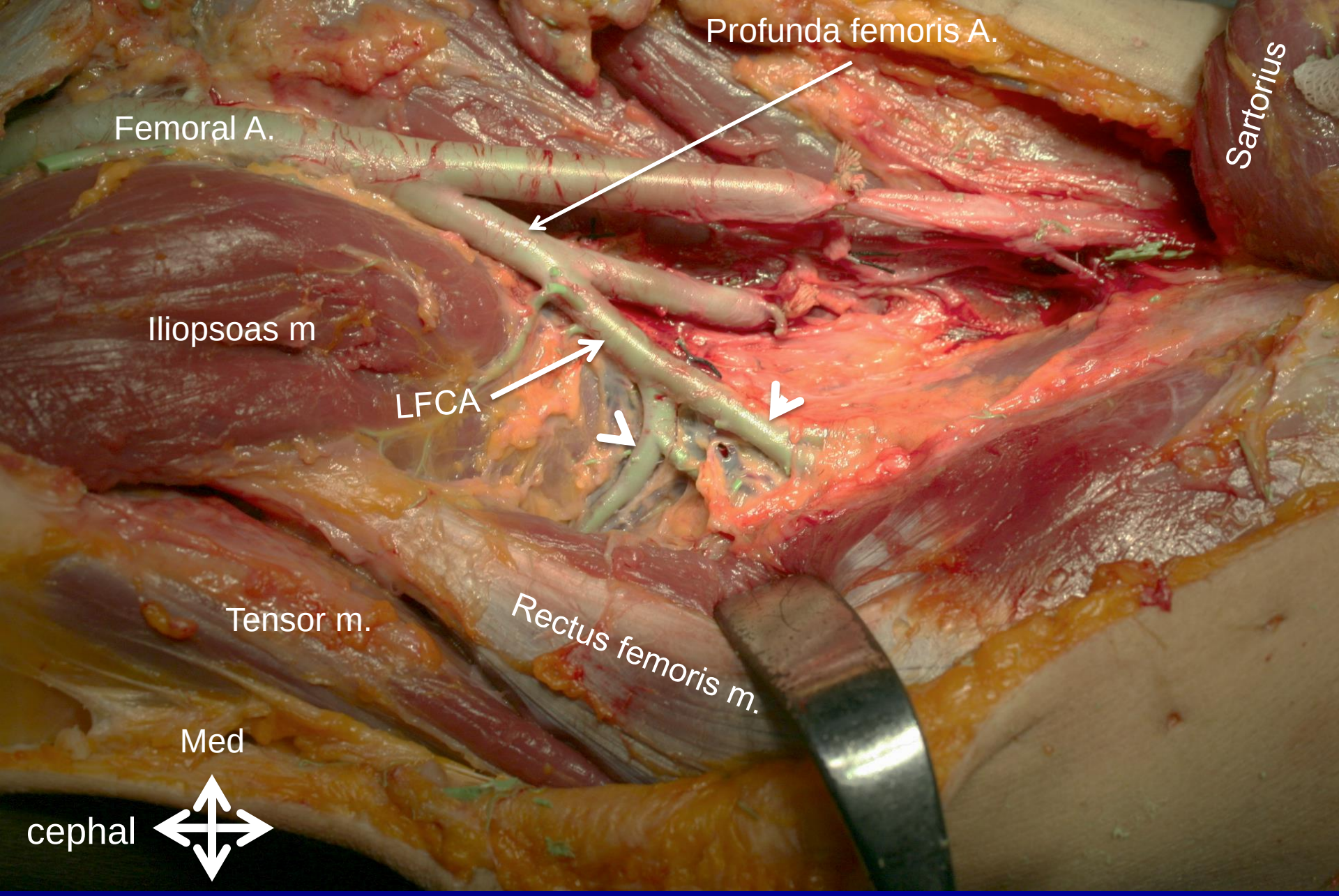
Anterior aspect of right hip



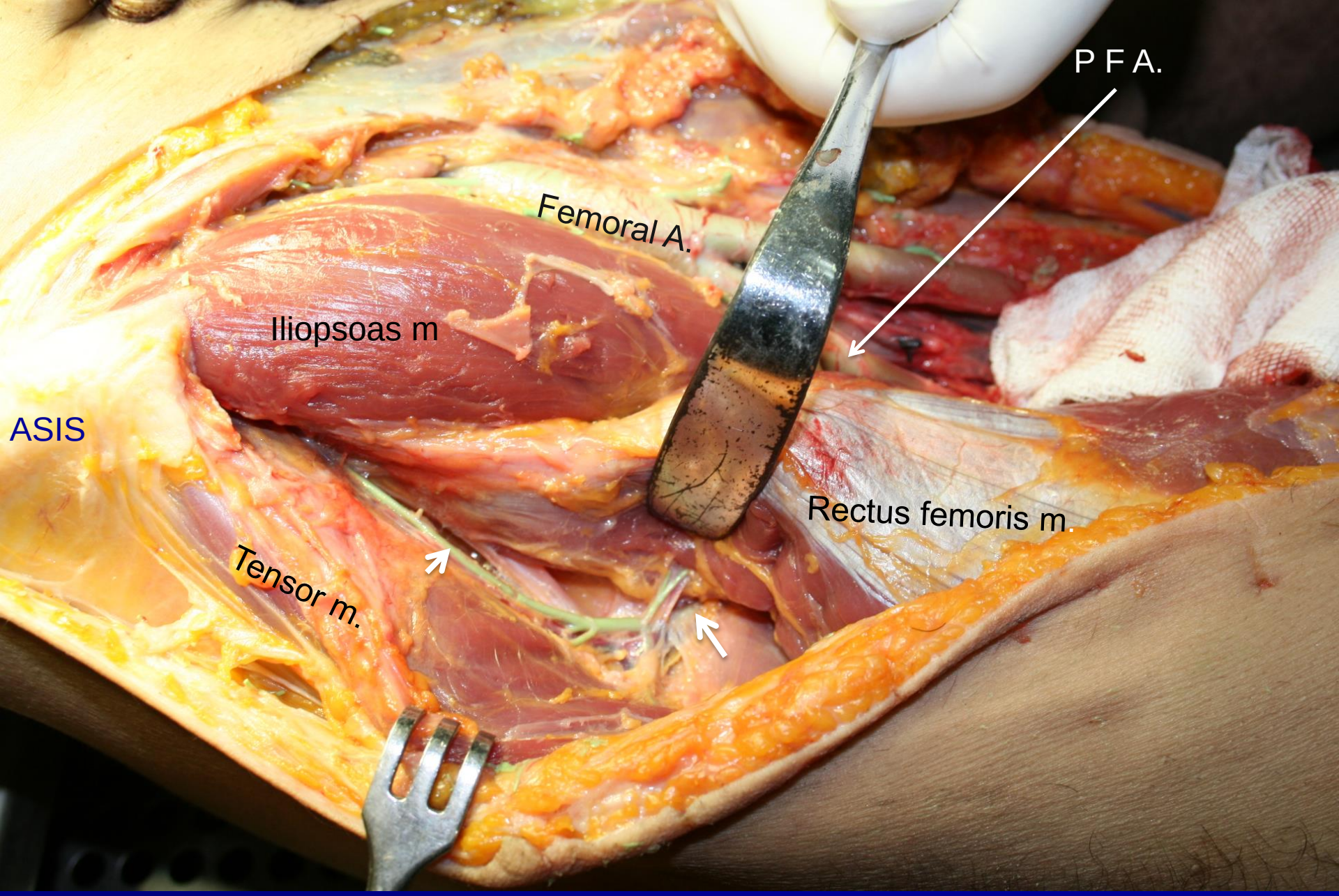
Anterior aspect of Rt. hip



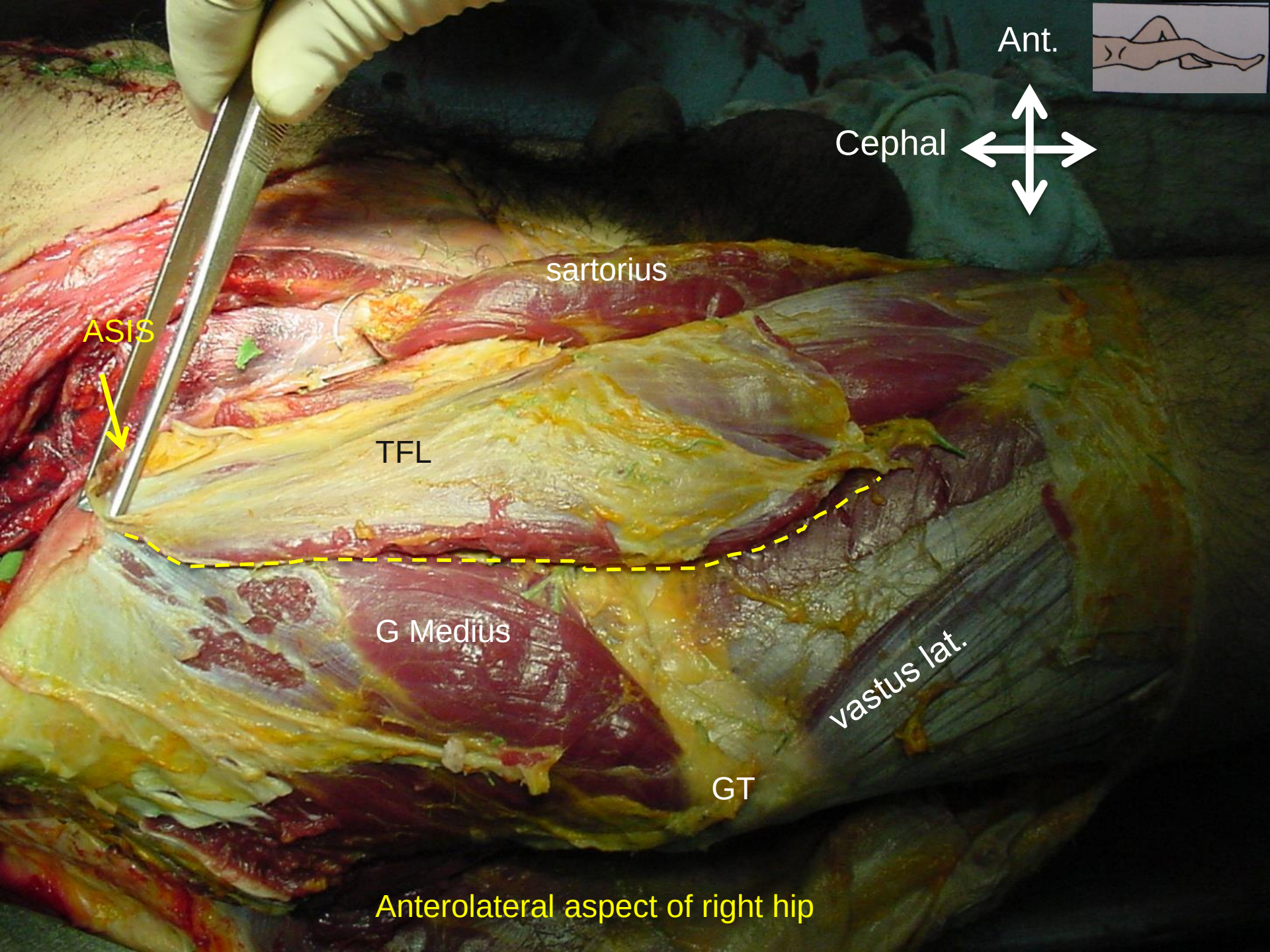
Anterior aspect of right hip



Anterior aspect of right hip



Anterior aspect of right hip



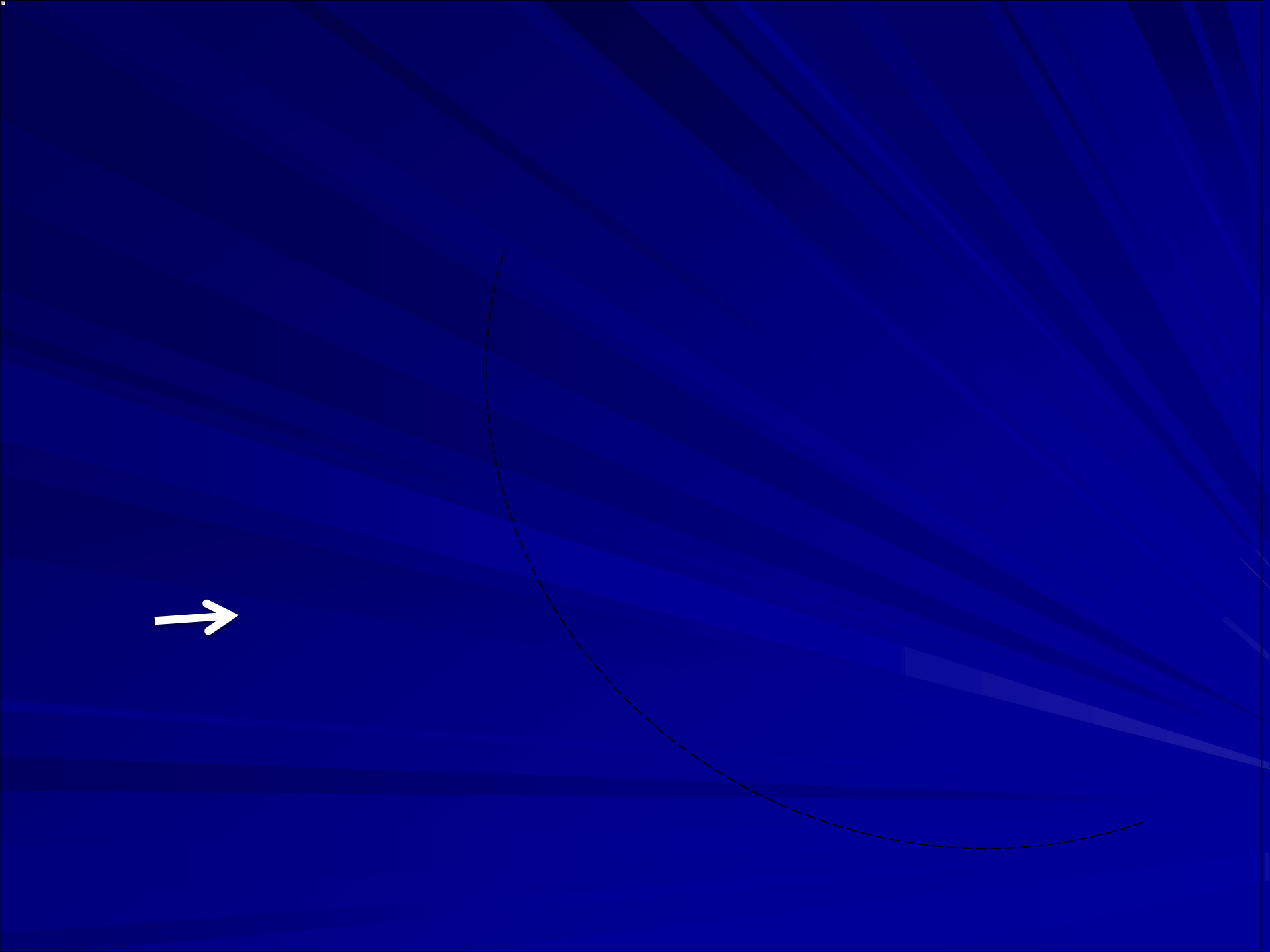
Anterolateral aspect of right hip

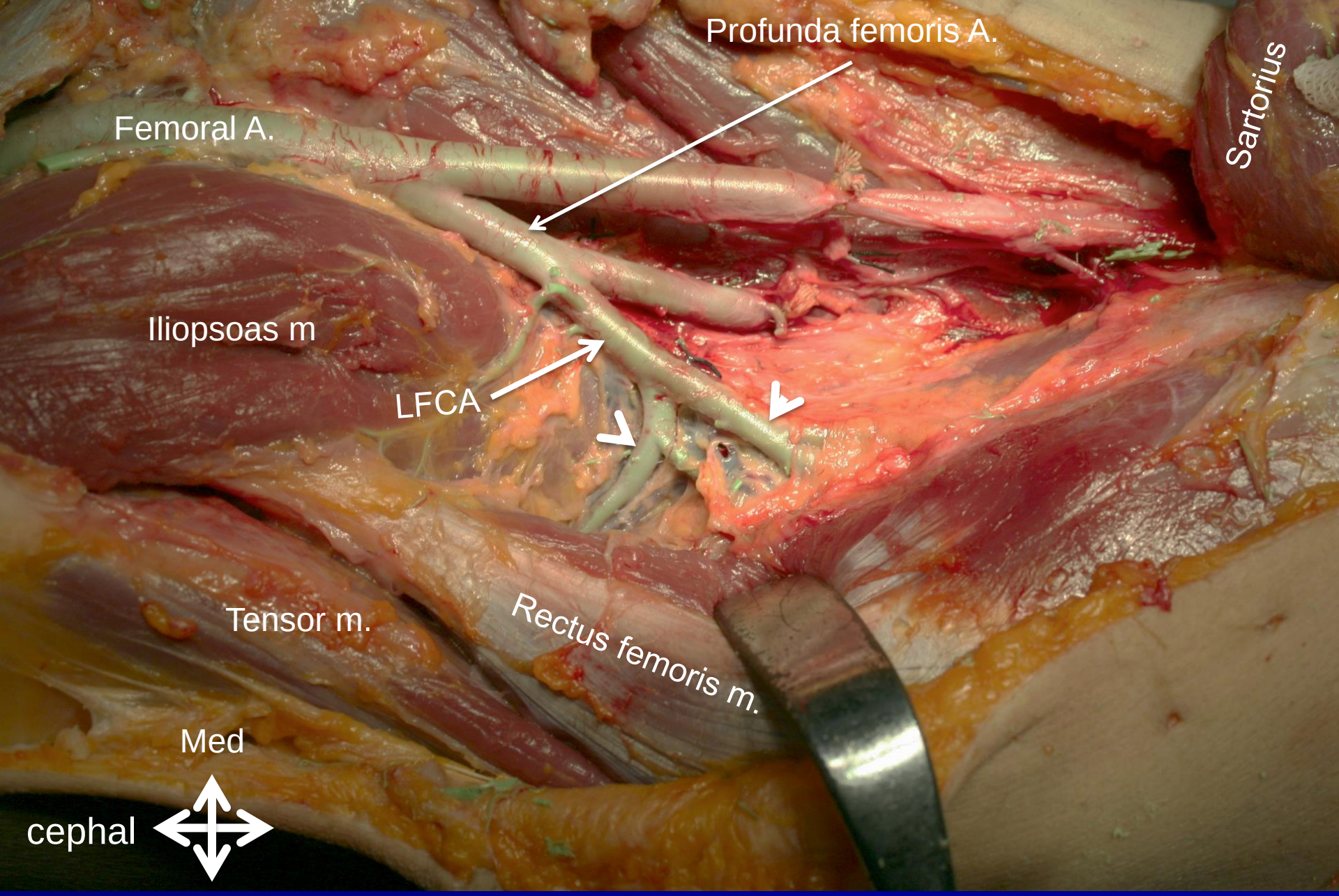
Supra-acetabular branch

Ant

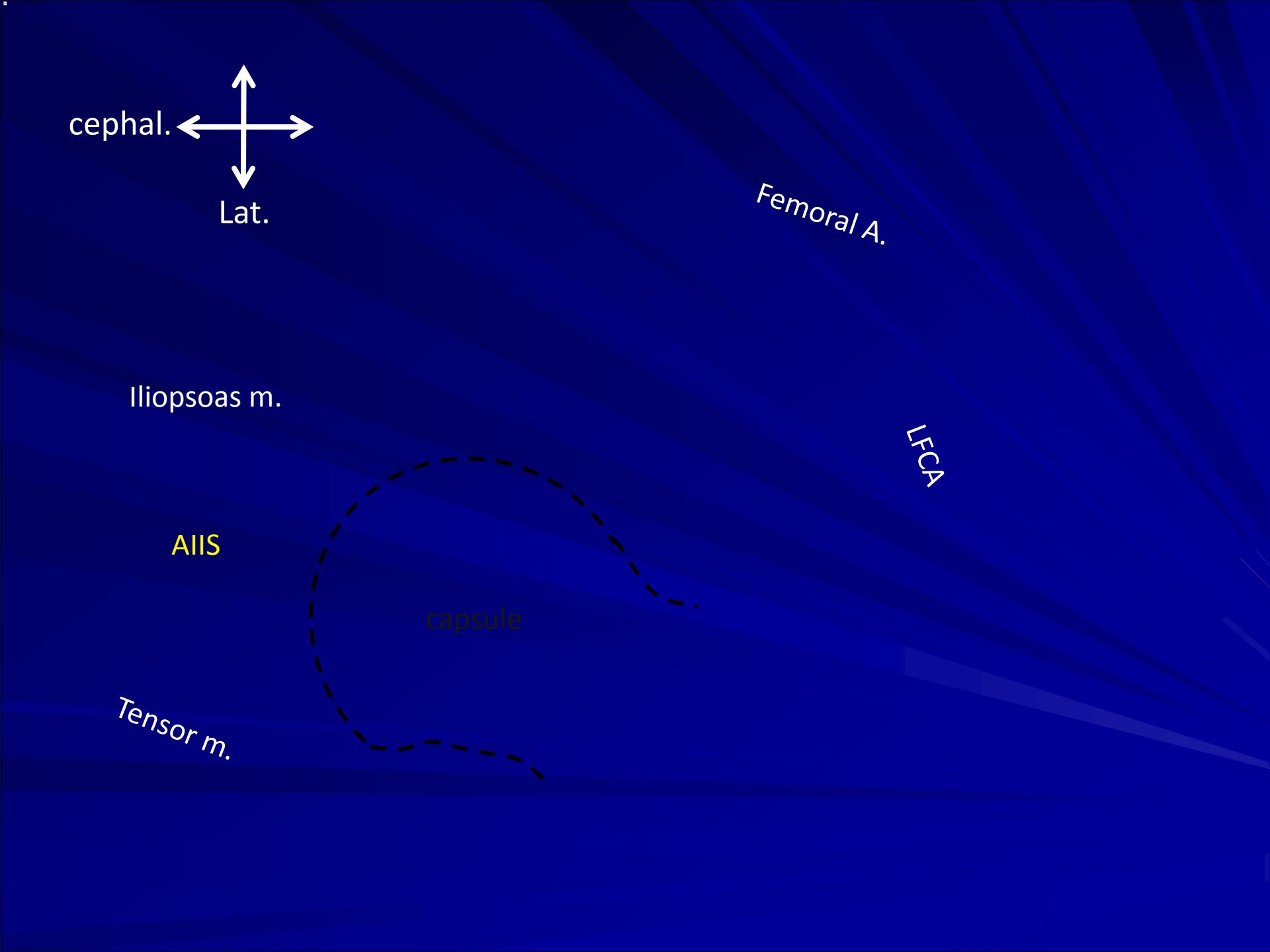
Cephal

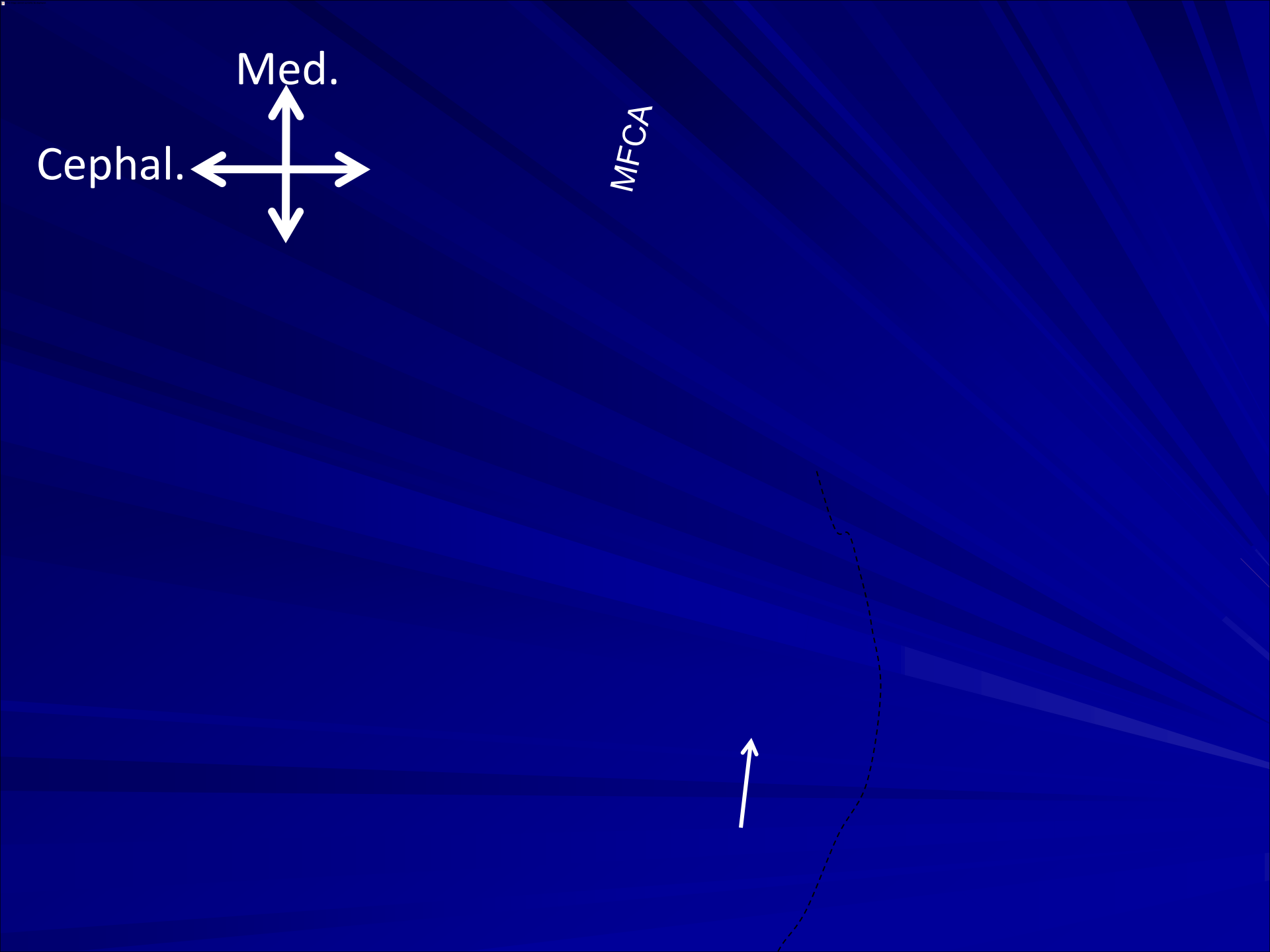
Right hip posterior aspect

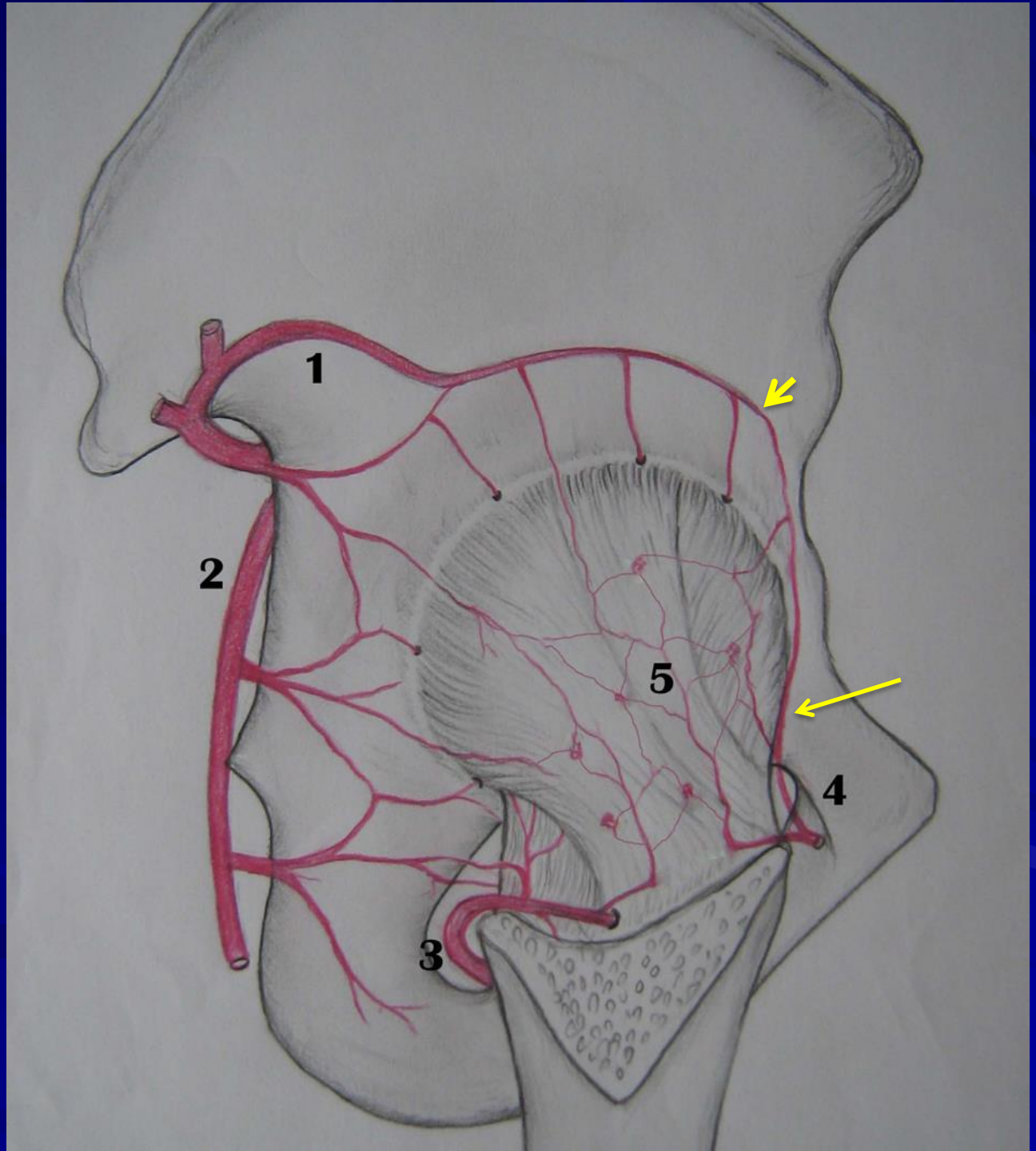




Anterior aspect of right hip


cephal.
Lat.
Femoral A.
Iliopsoas m.
LFCA
AIIS
capsule
Tensor m.


Med.
Cephal.
MFCA


1
2
3
4
5

LFCA contributions

- Abductor muscles
- Hip capsule
- Periacetabular vascular ring
- Femoral head

Conclusion

- Ligation of the LFCA (transverse branch) is likely to compromise circulation of the hip abductor muscles.

Thank You