

Nov 2016

COMMENTED by Jesse Jupiter

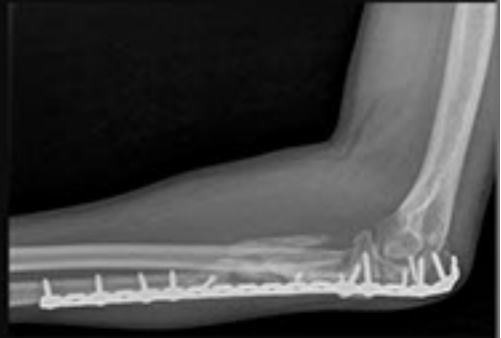
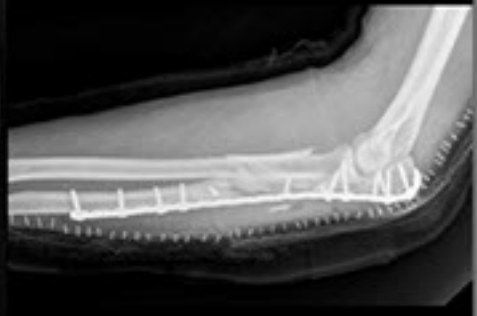


PRE

PRE

0w

27w



This case is an example of a complex injury known as an anterior transolecranon fracture-dislocation of the elbow (1).

The lesion in this case represents the distal end of the humerus impacting into the olecranon and splitting it with the radial head displaced dorsally.

It is not truly a Monteggia lesion as the proximal radius and ulna are not truly dislocated from each other.

The steps illustrated reveal the complexity of reestablishing the comminuted proximal olecranon (fixed ultimately with 2 screws) and the restoration of the proximal comminuted ulnar diaphysis. You will appreciate the need for creating a custom-shaped 3.5 mm locking reconstruction plate to fit more anatomically and with adequate length compared to the standard anatomically shaped proximal ulna plate. By not devascularizing the multiple fragments of the proximal ulna, the fracture heals with robust callous in this region.

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(1) Ring D, Jupiter J et al. Transolecranon fracture dislocation of the elbow J Orthop Trauma 1997; 11: 545-50

An alternative approach would have been to fix the proximal olecranon fragment and then pin it to the trochlea in an anatomic position followed by a distractor on the ulnar shaft helping to regain length and alignment. The technique is described in the text authored by Mast J, Jakob R, Ganz R (2), and a clinical example can be found in the ICUC® Library (ID: 22-MO-538).



ID: 22-MO-538



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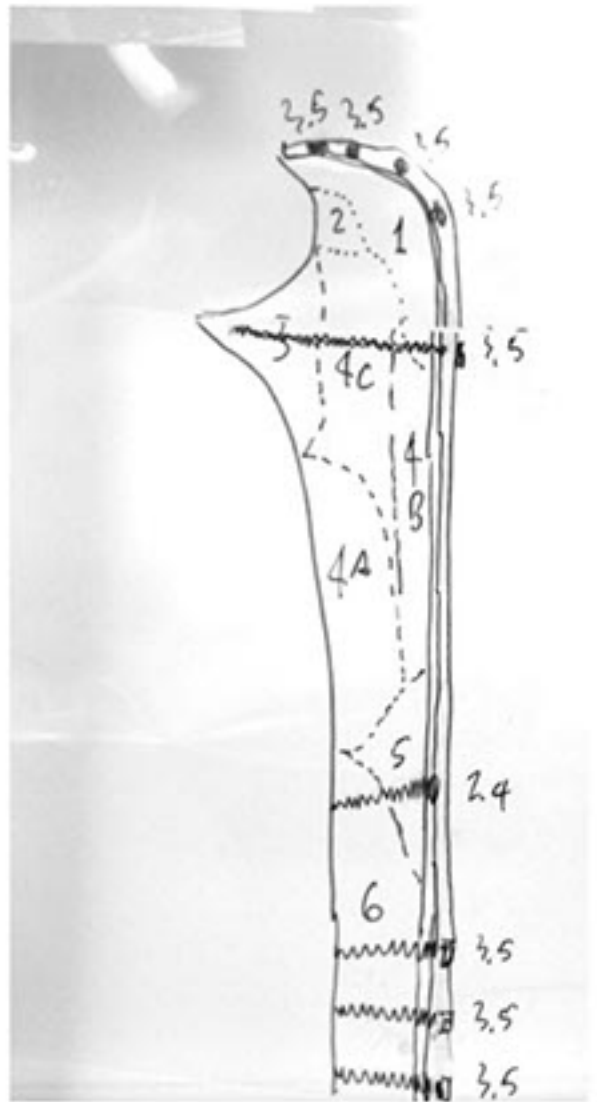
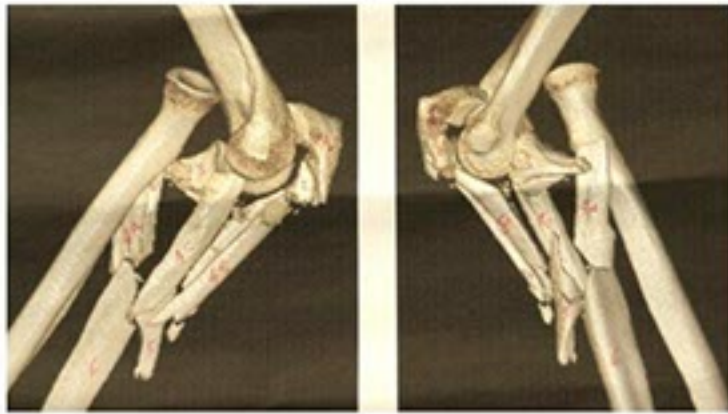
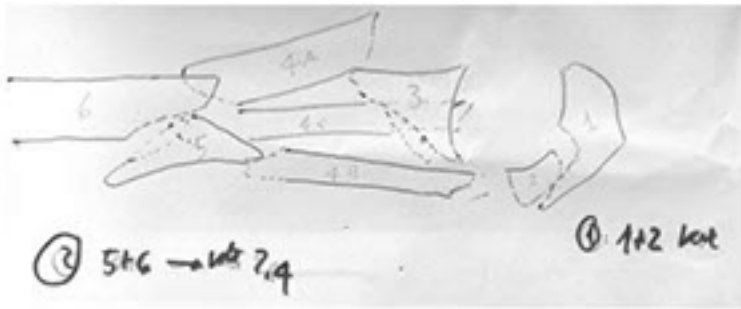
(2) Mast J, Jakob R, Ganz R (1985) *Planning and Reduction Technique in Fracture Surgery*. 1st ed. Berlin Heidelberg New York: Springer-Verlag

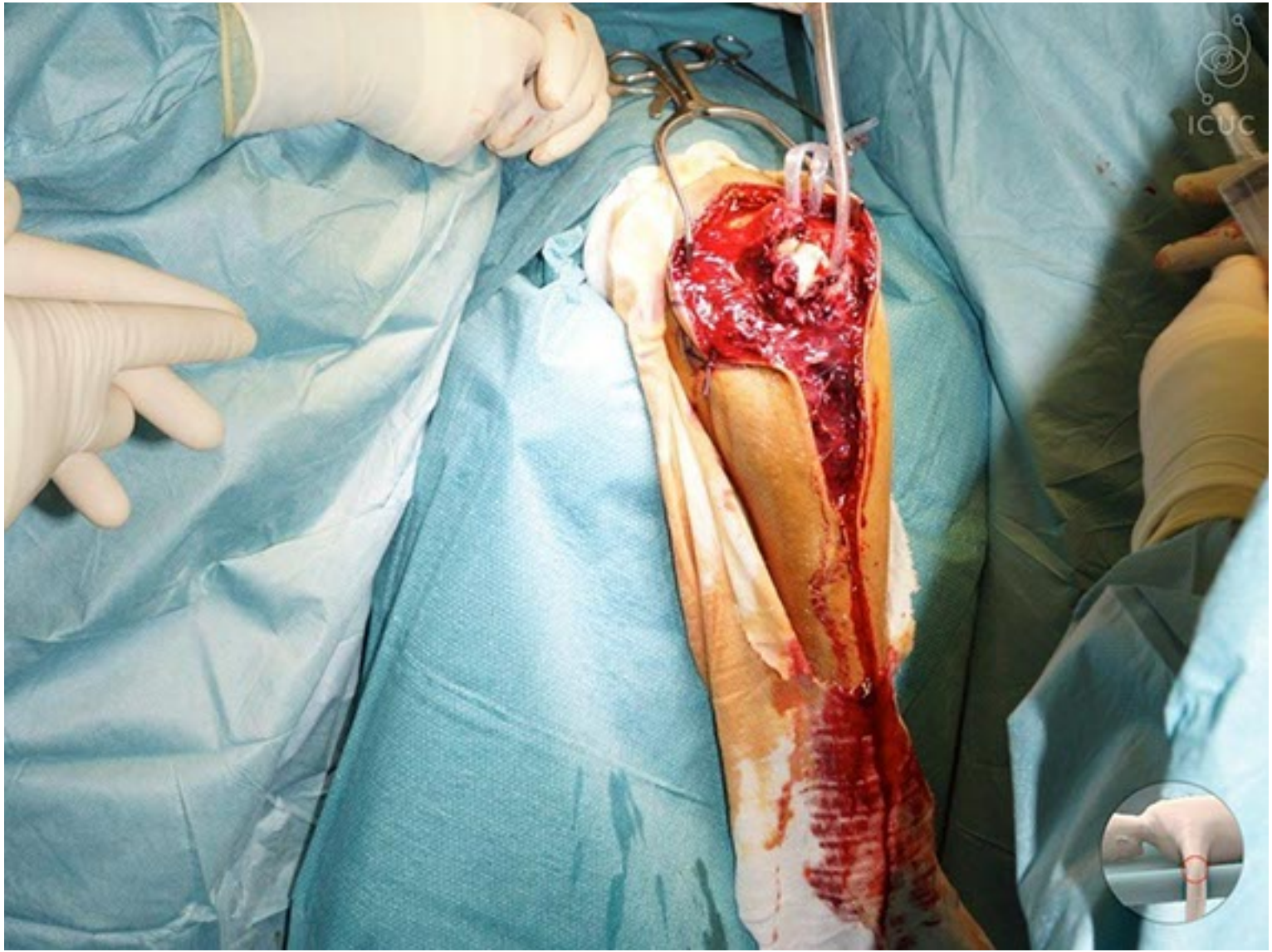
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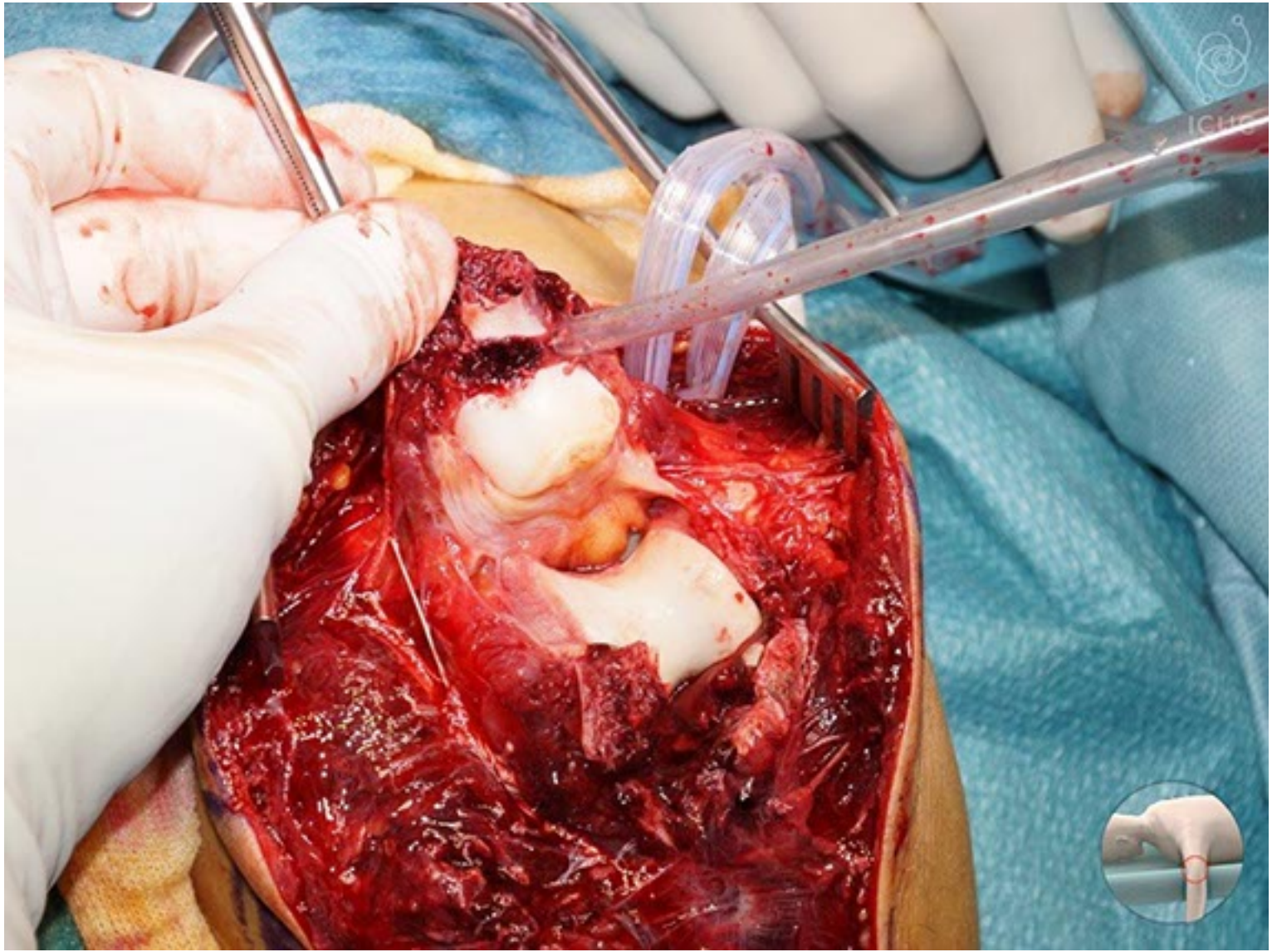


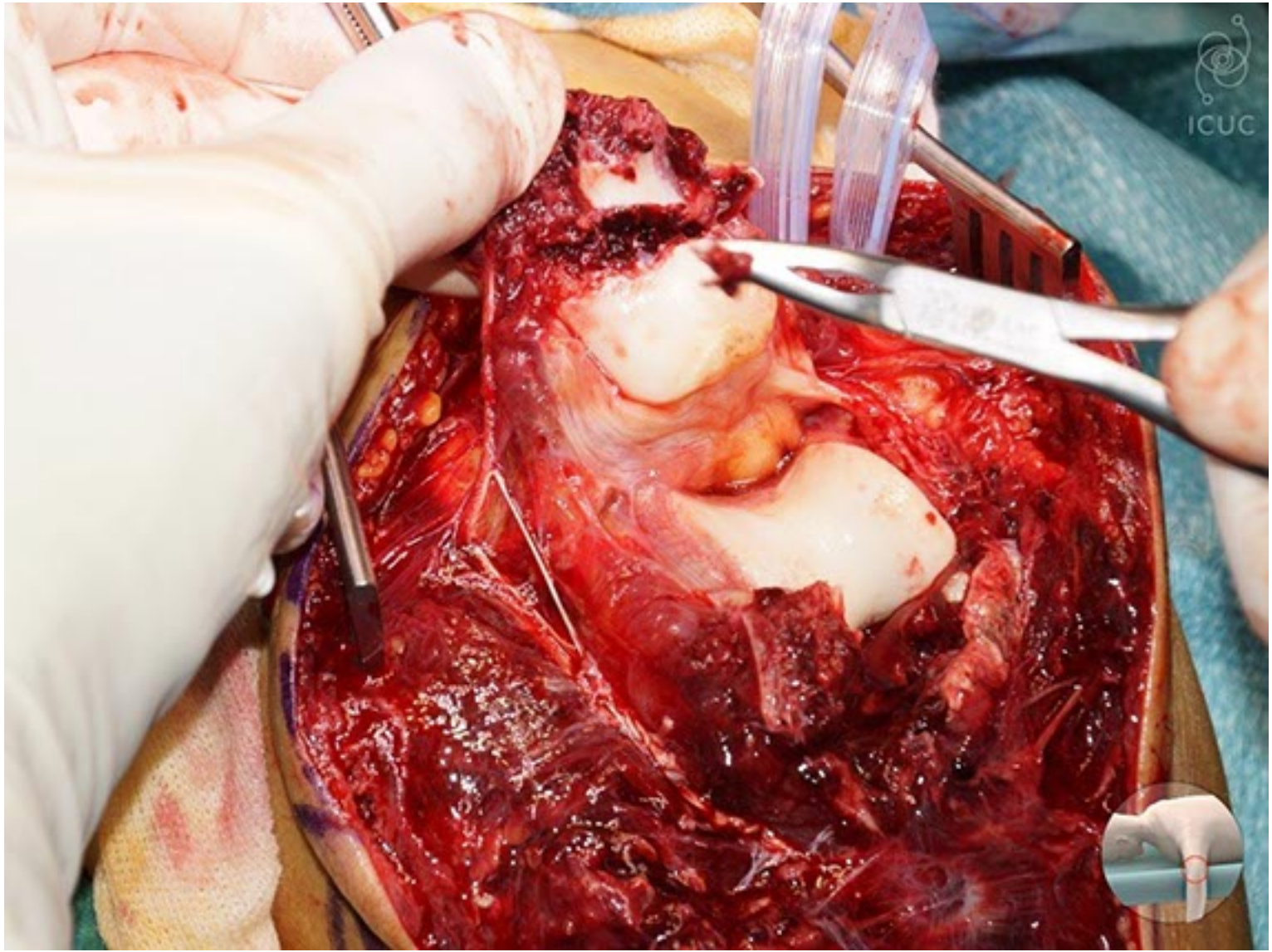




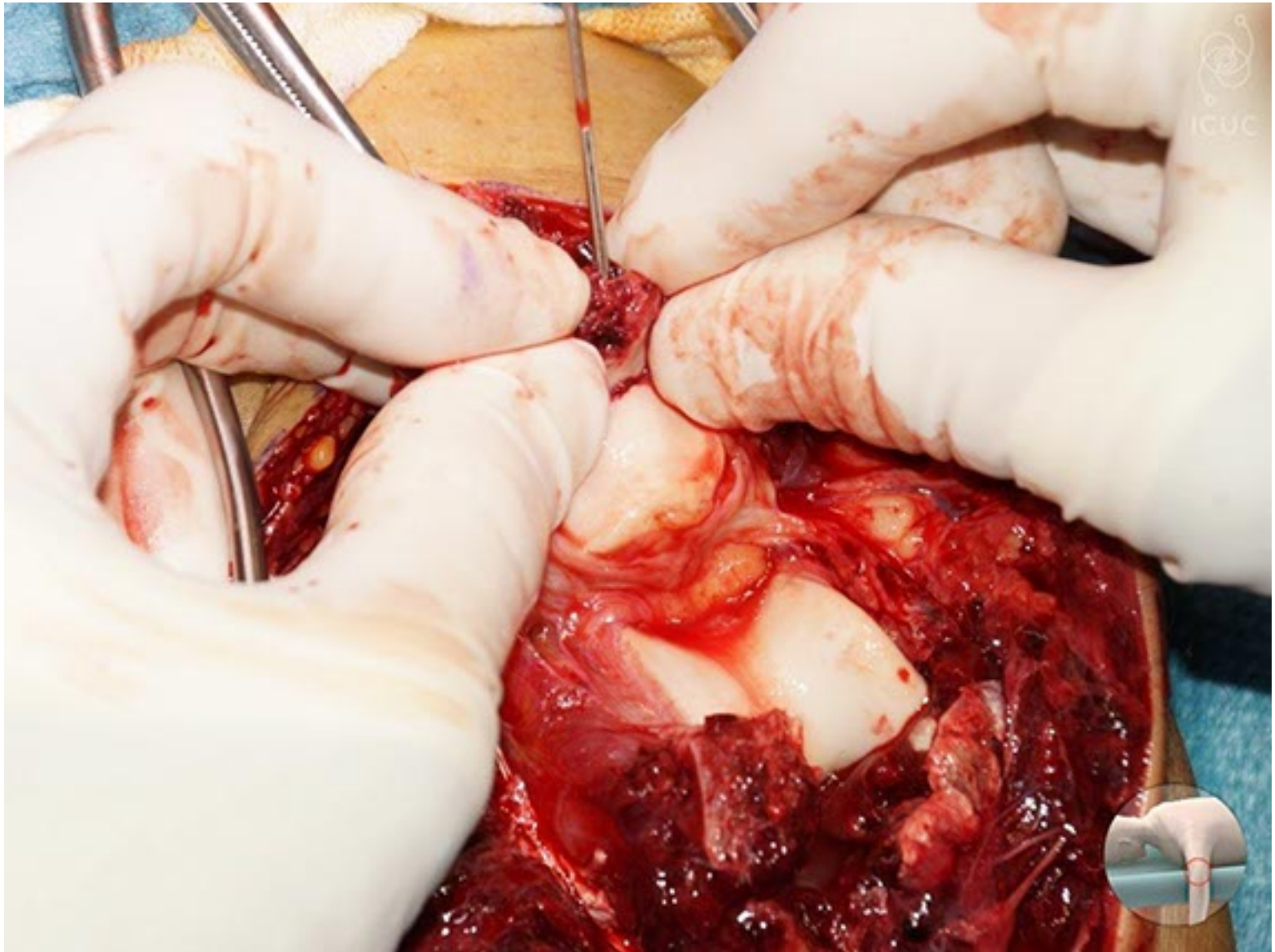


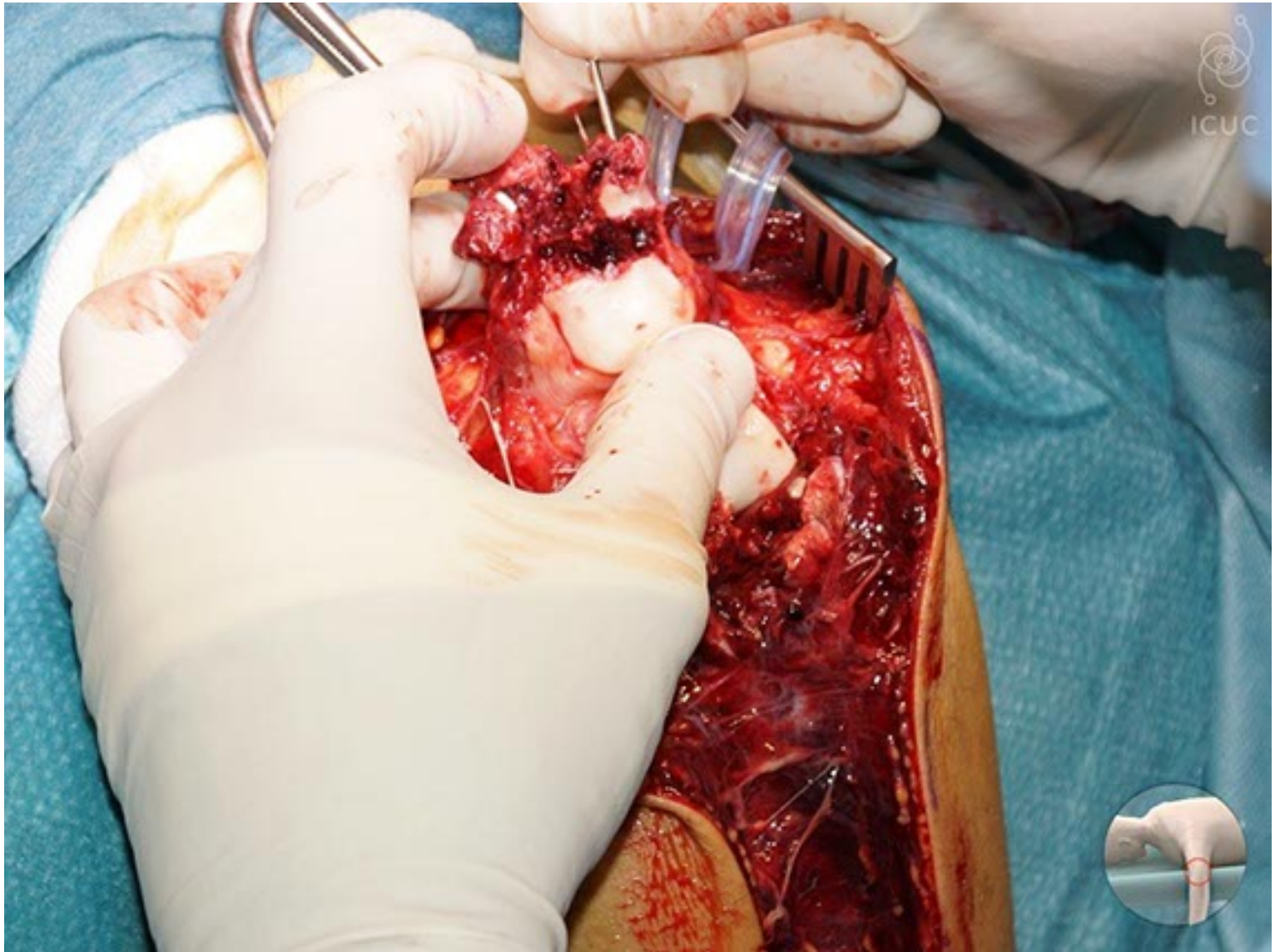




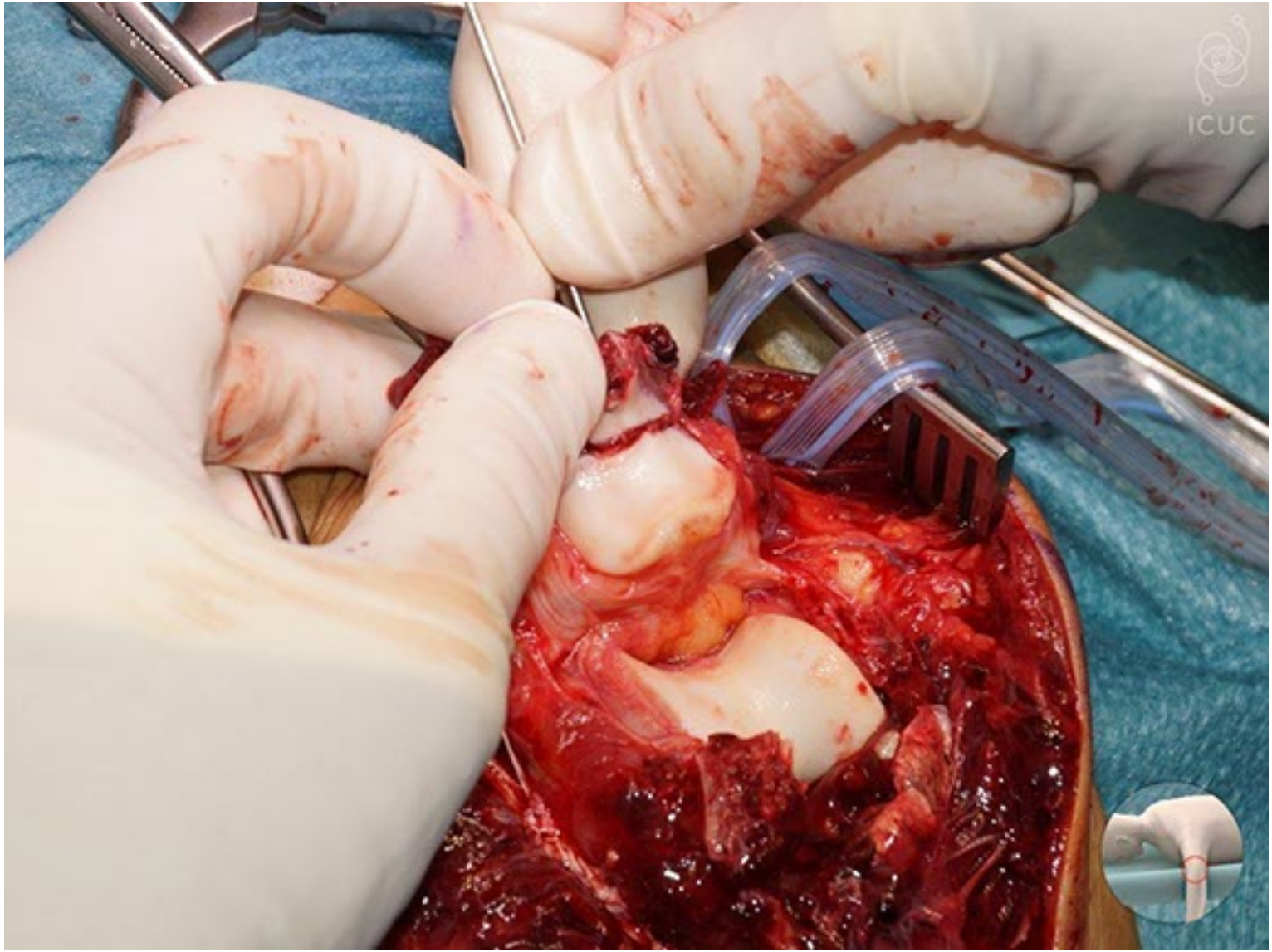


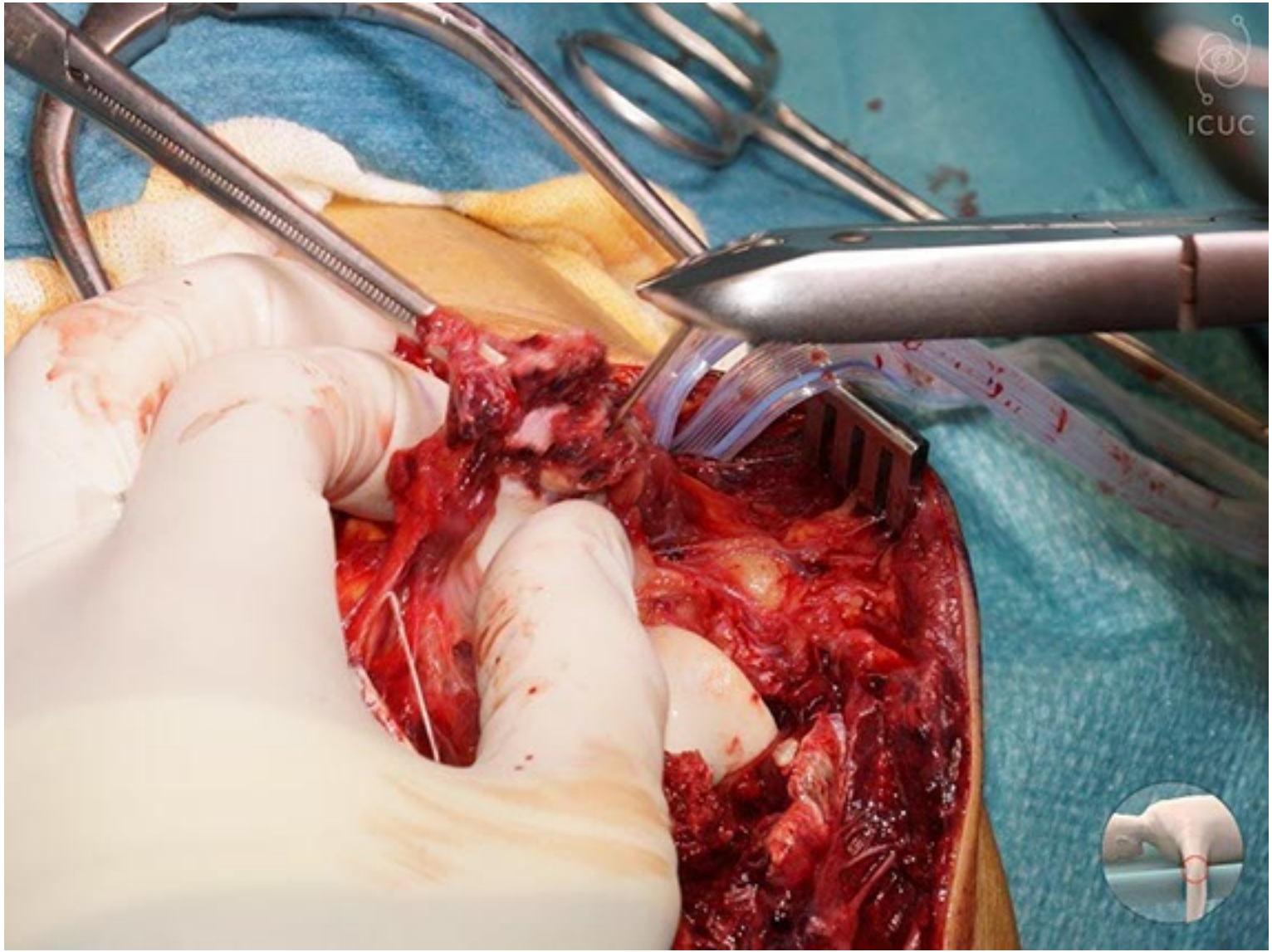




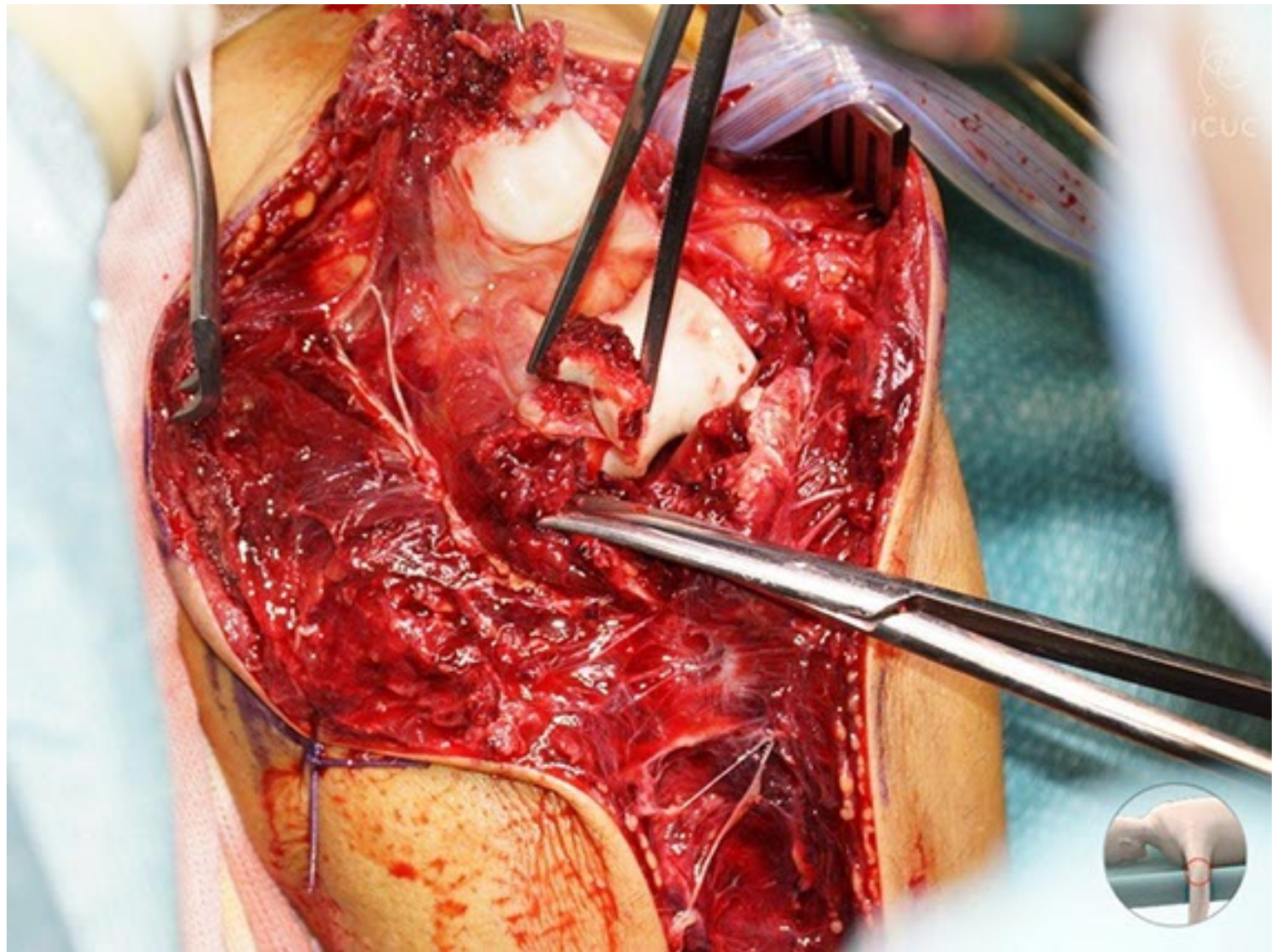




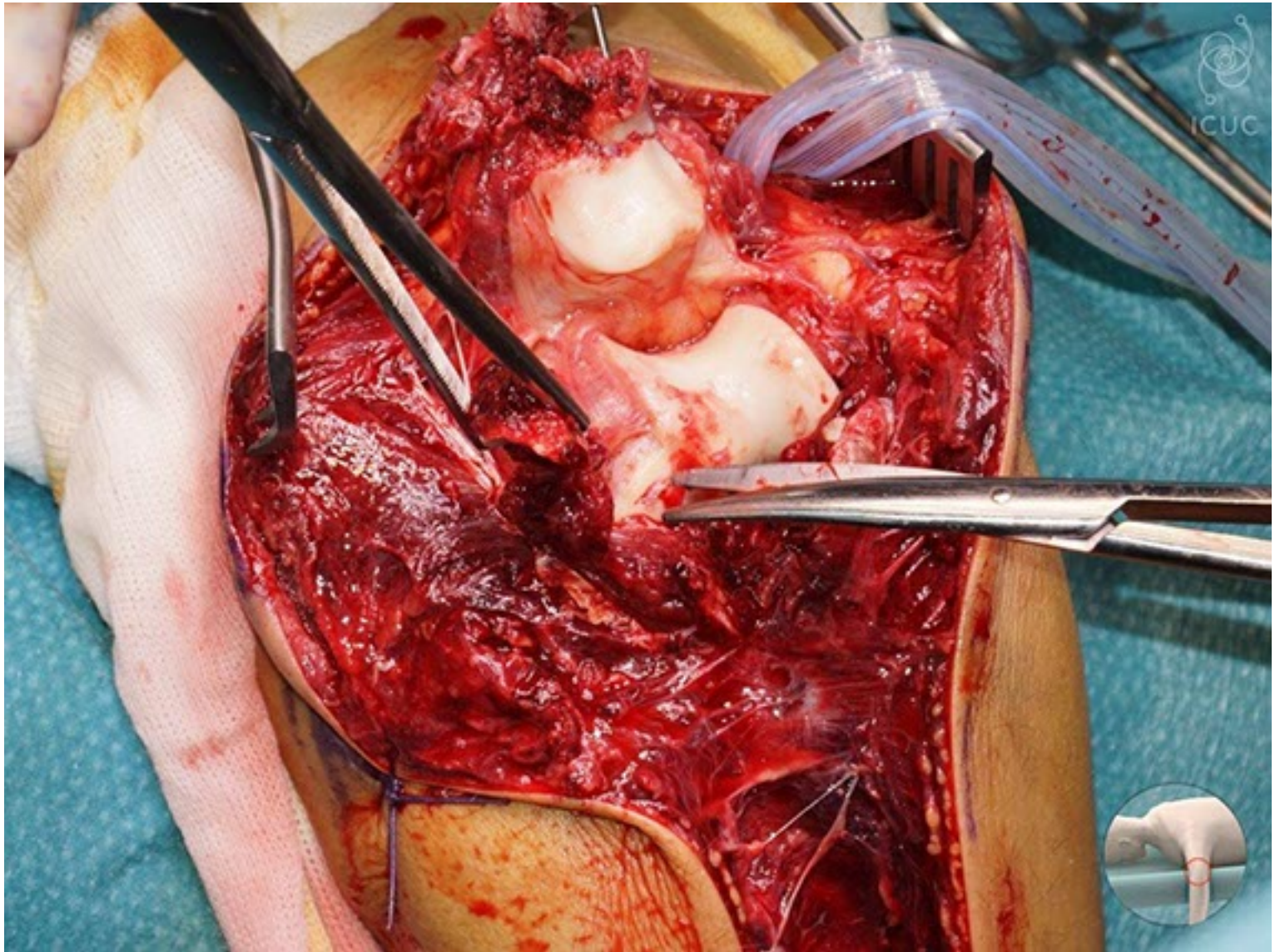




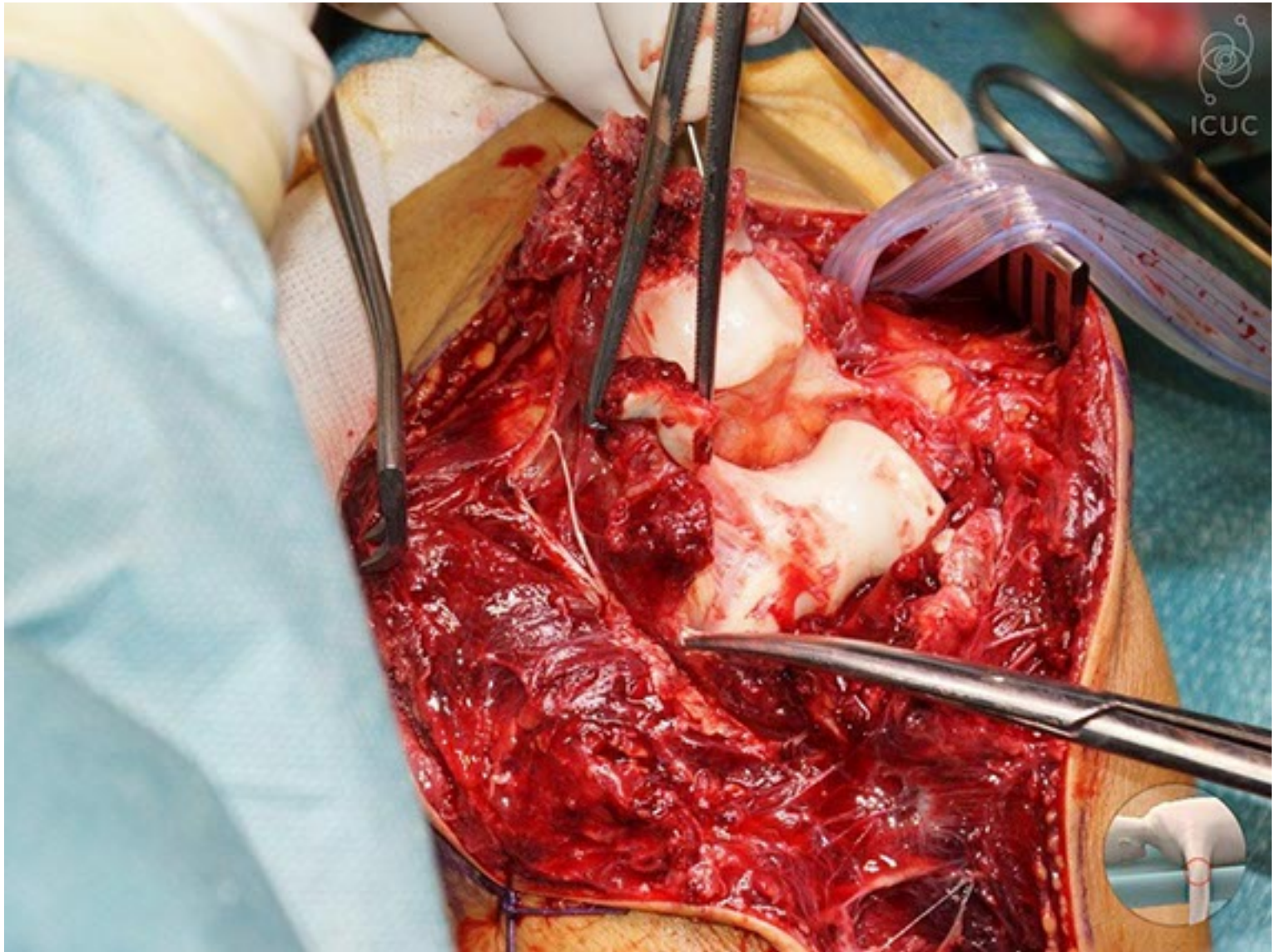


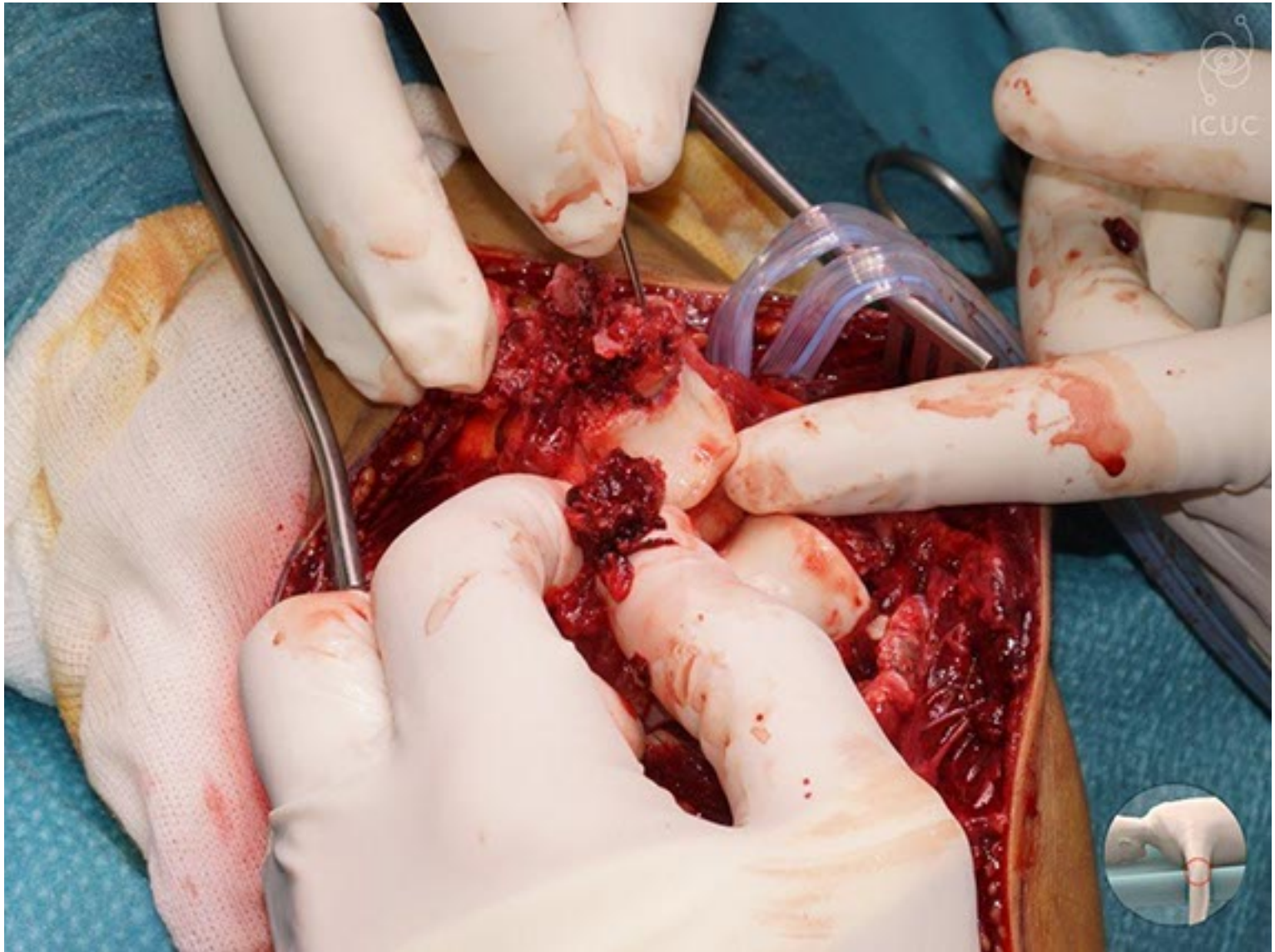




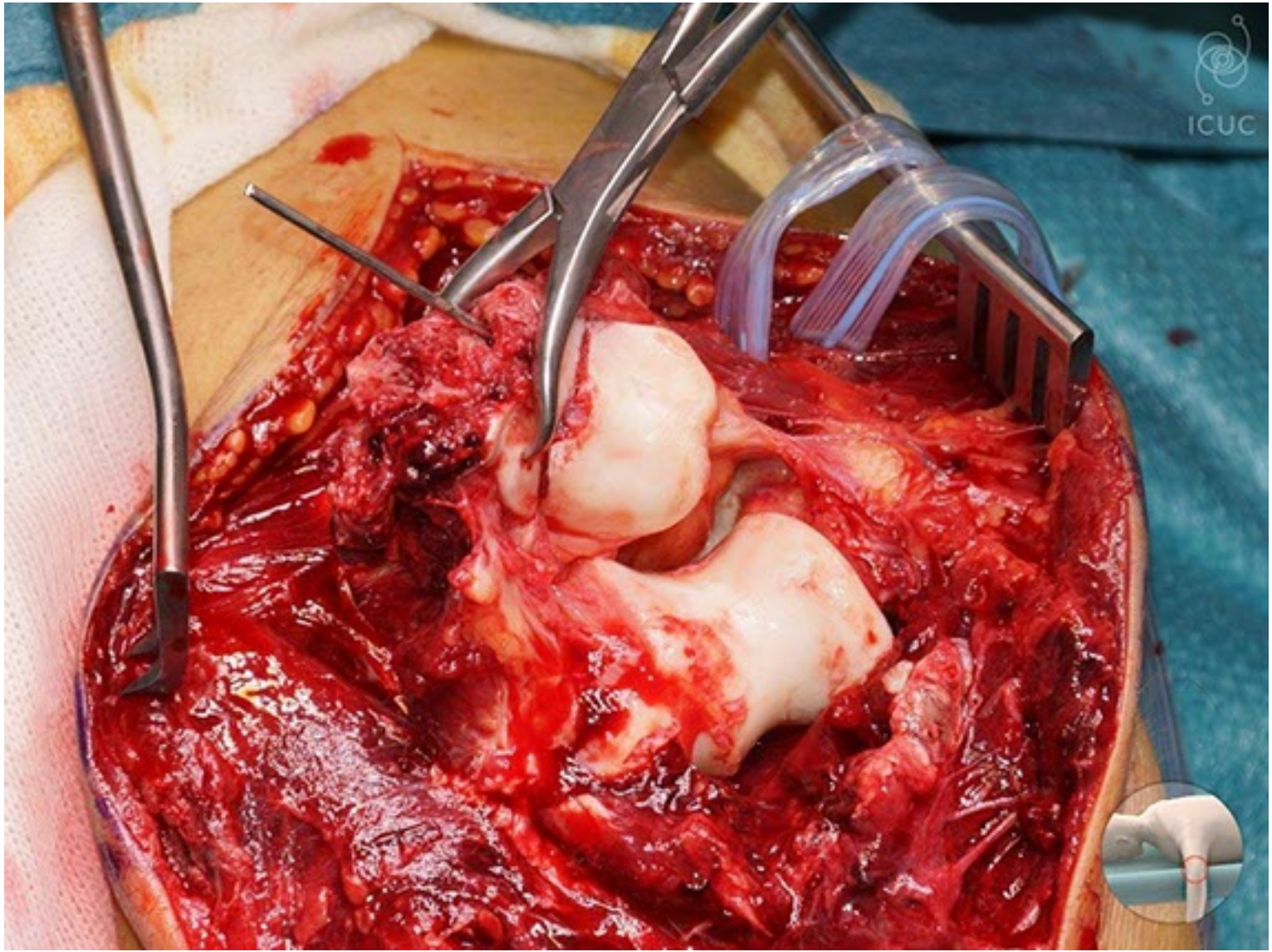




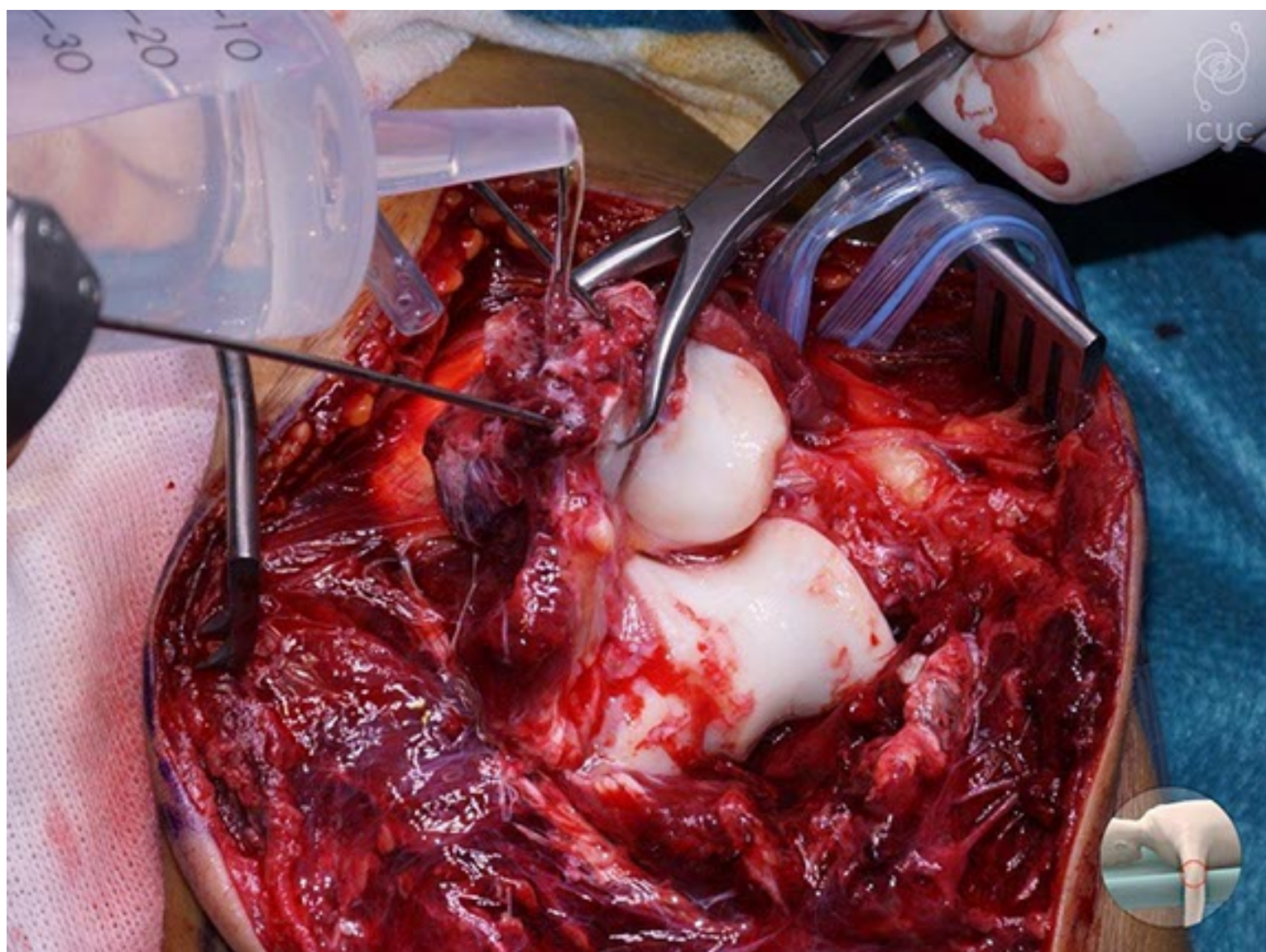




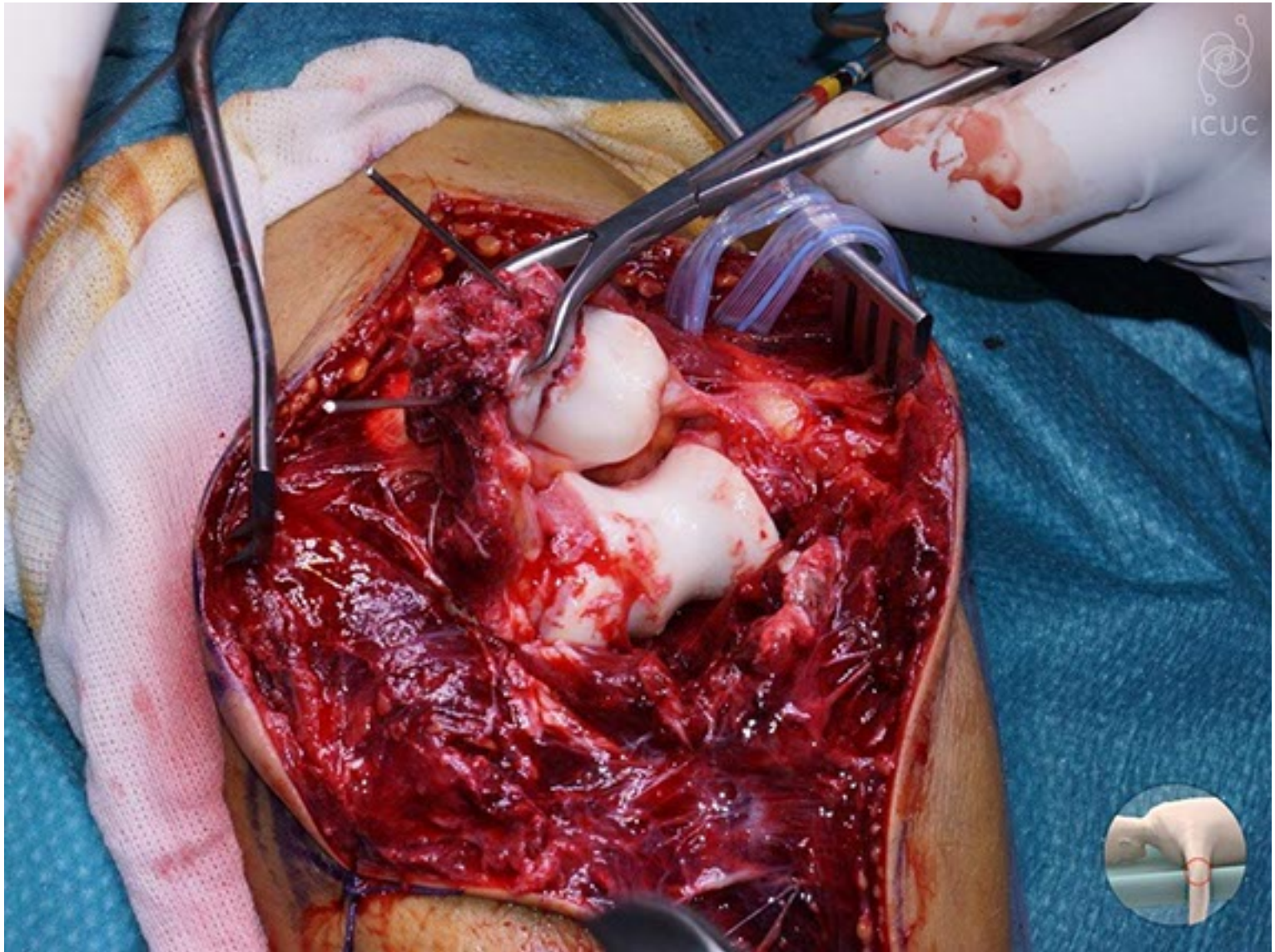




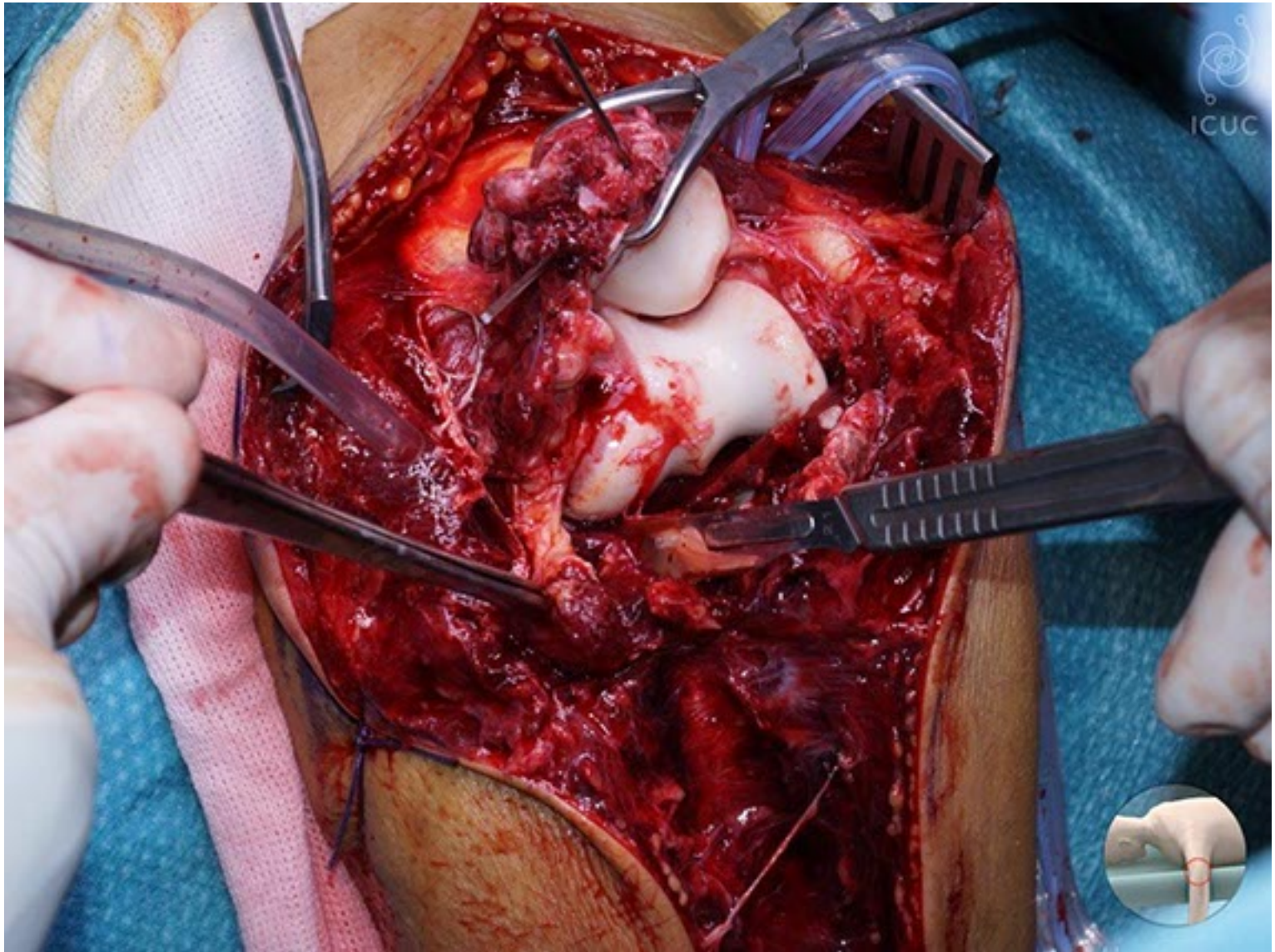




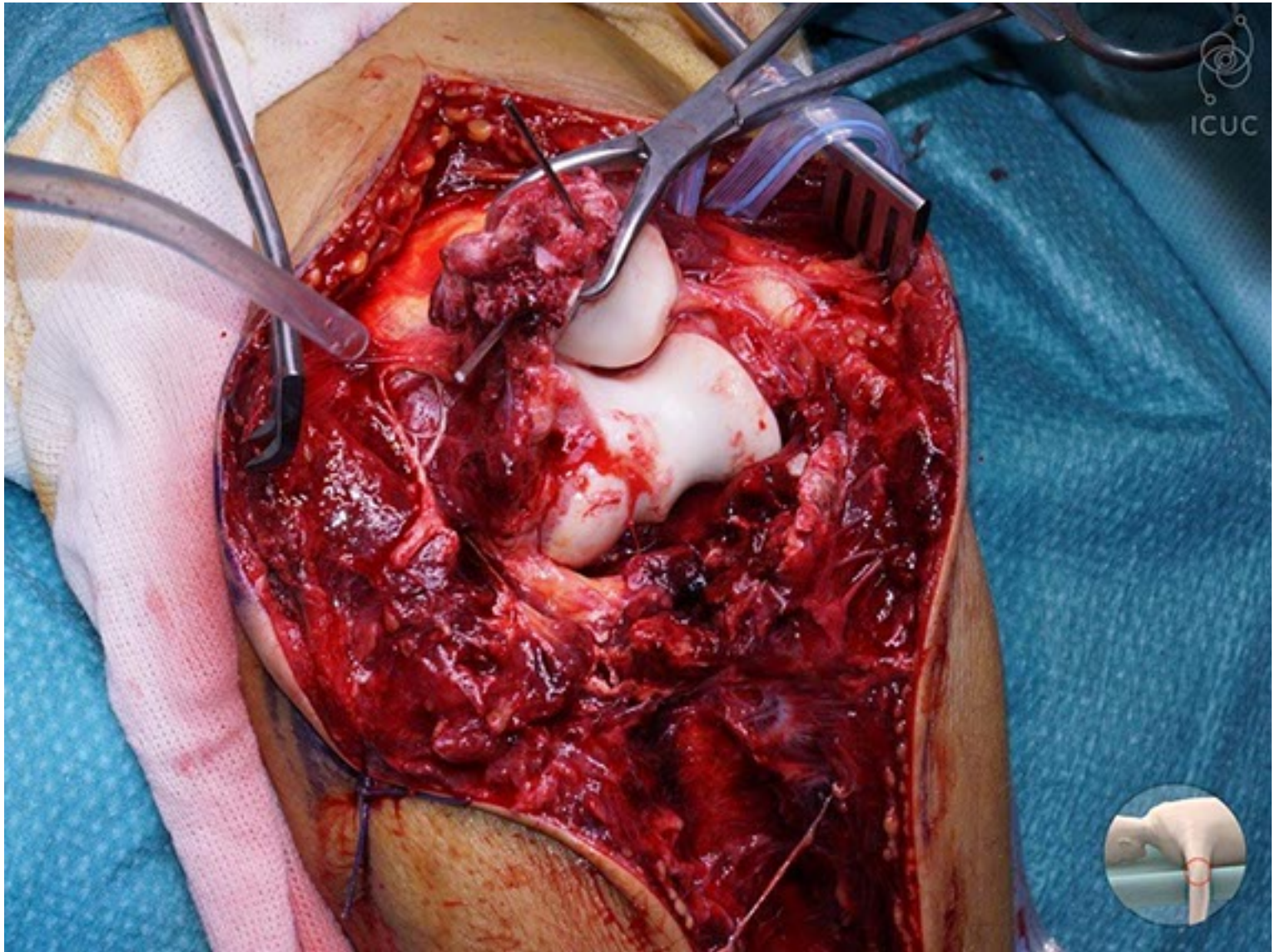




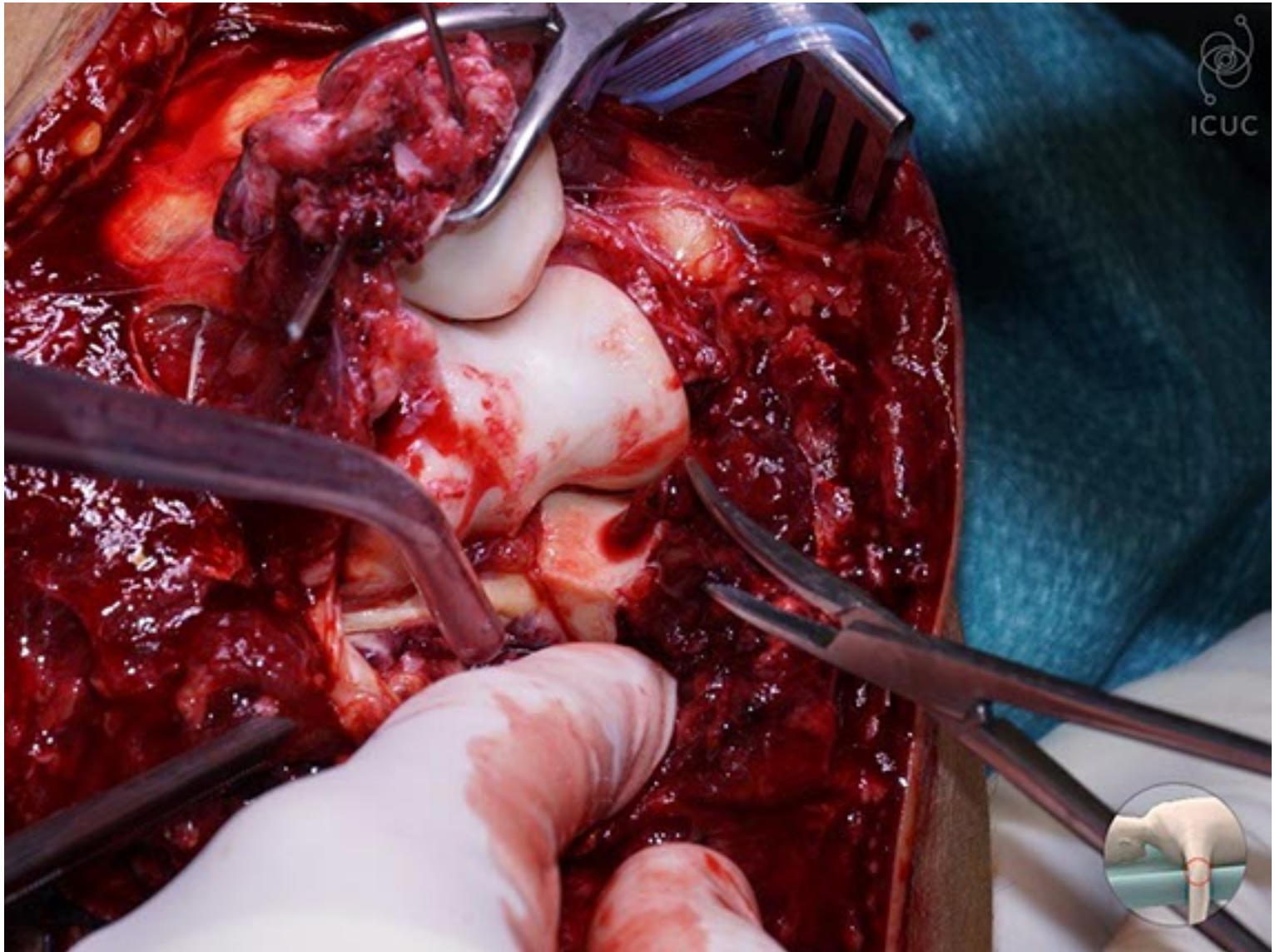


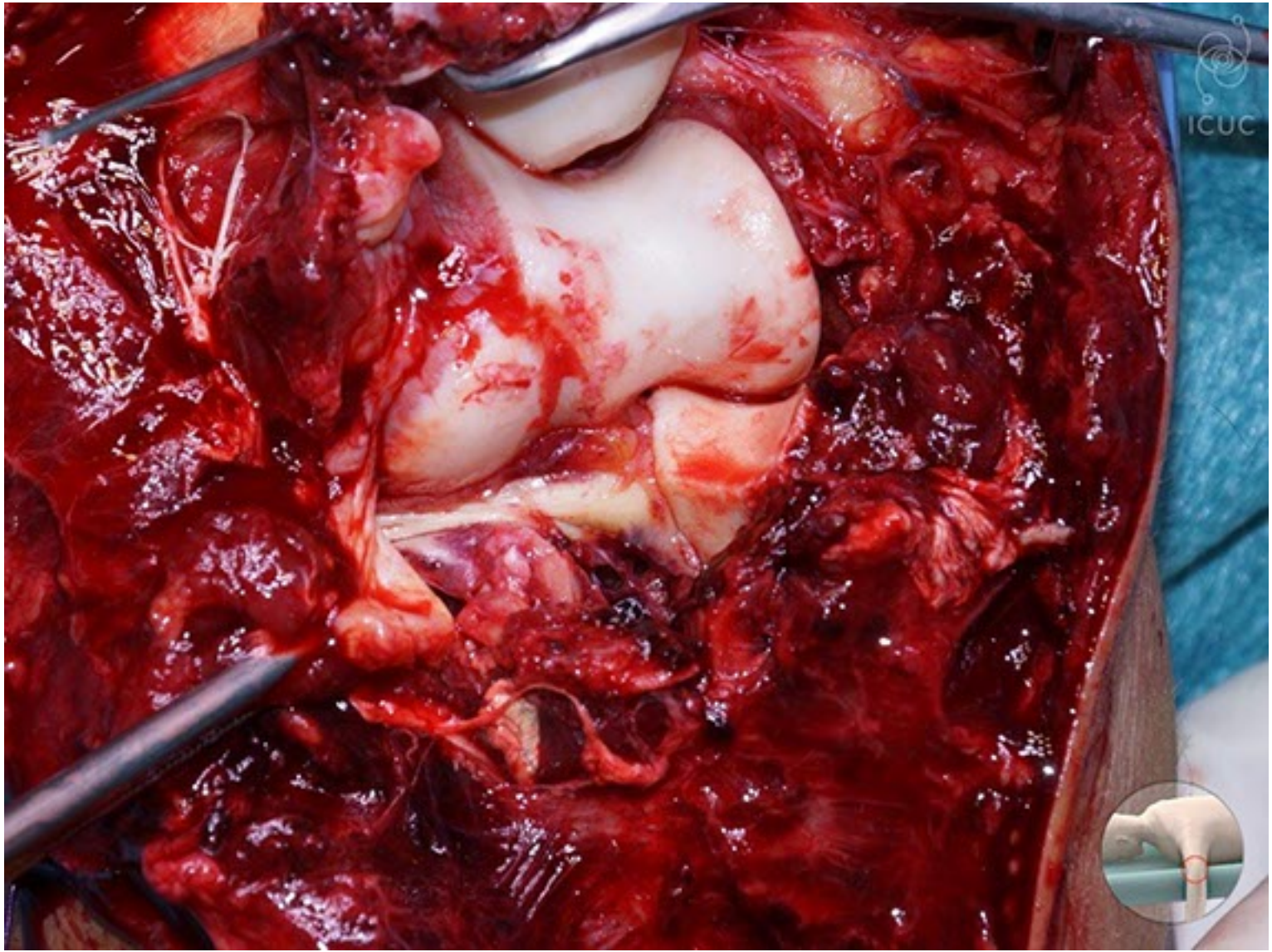




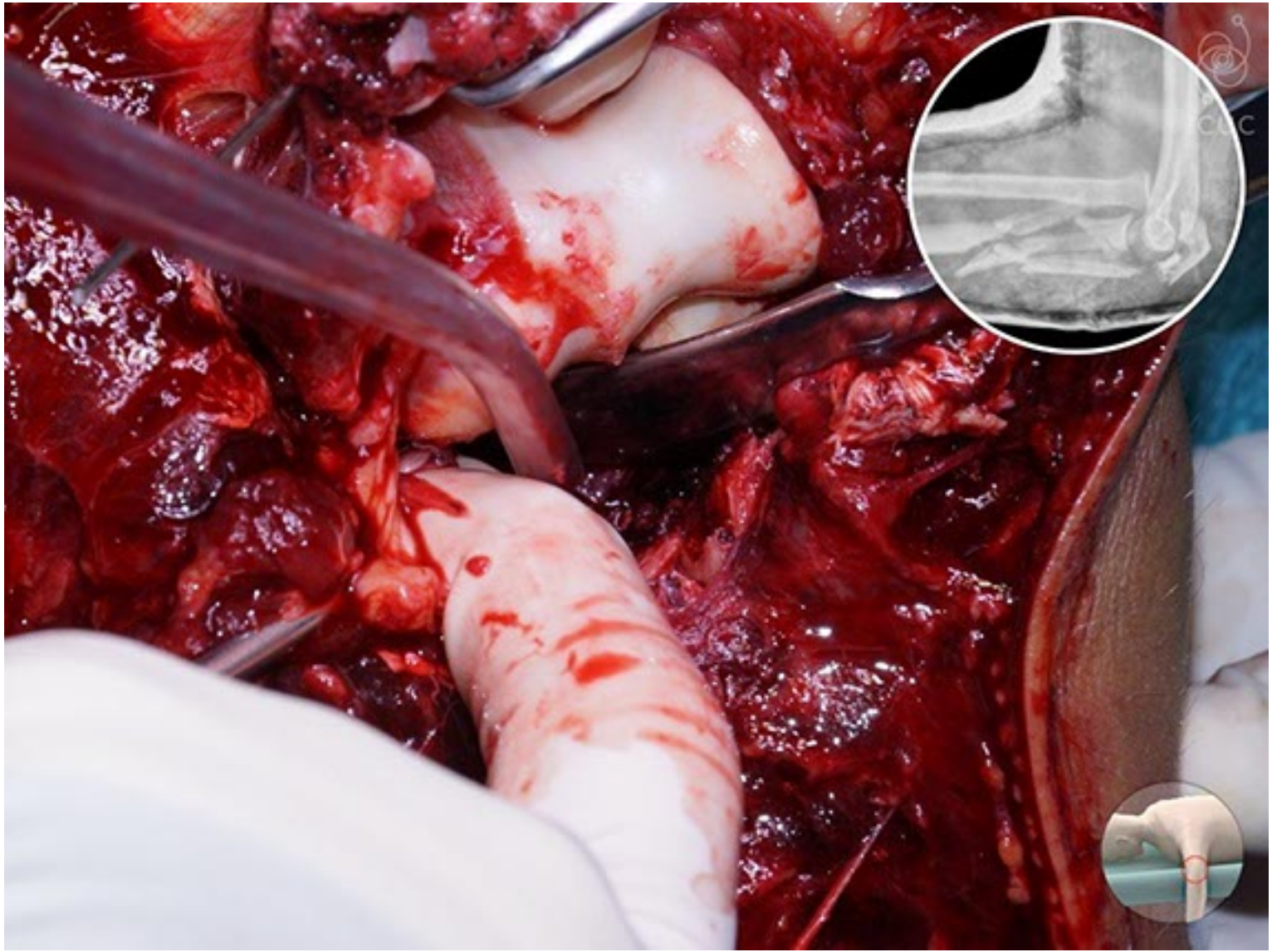


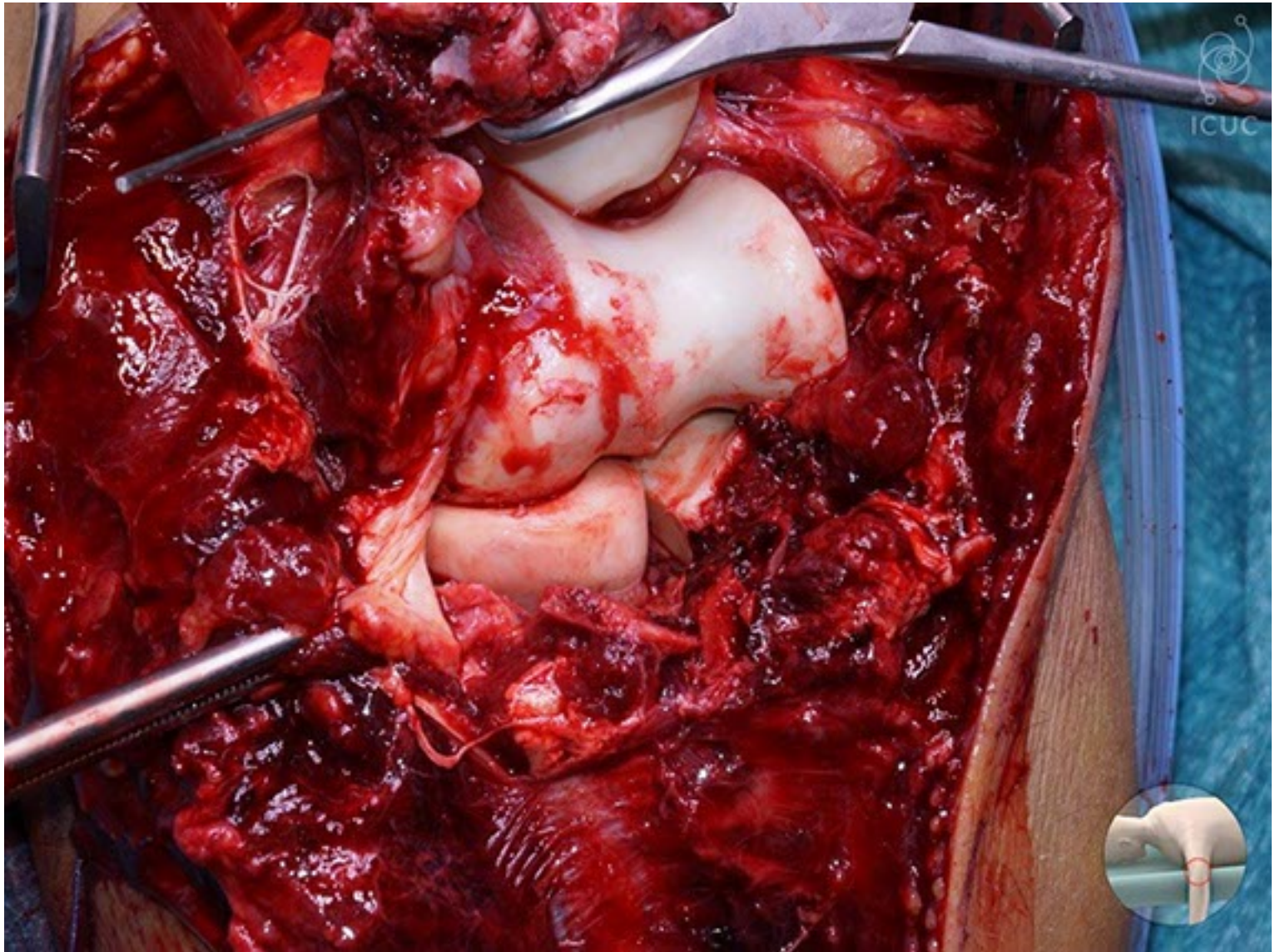




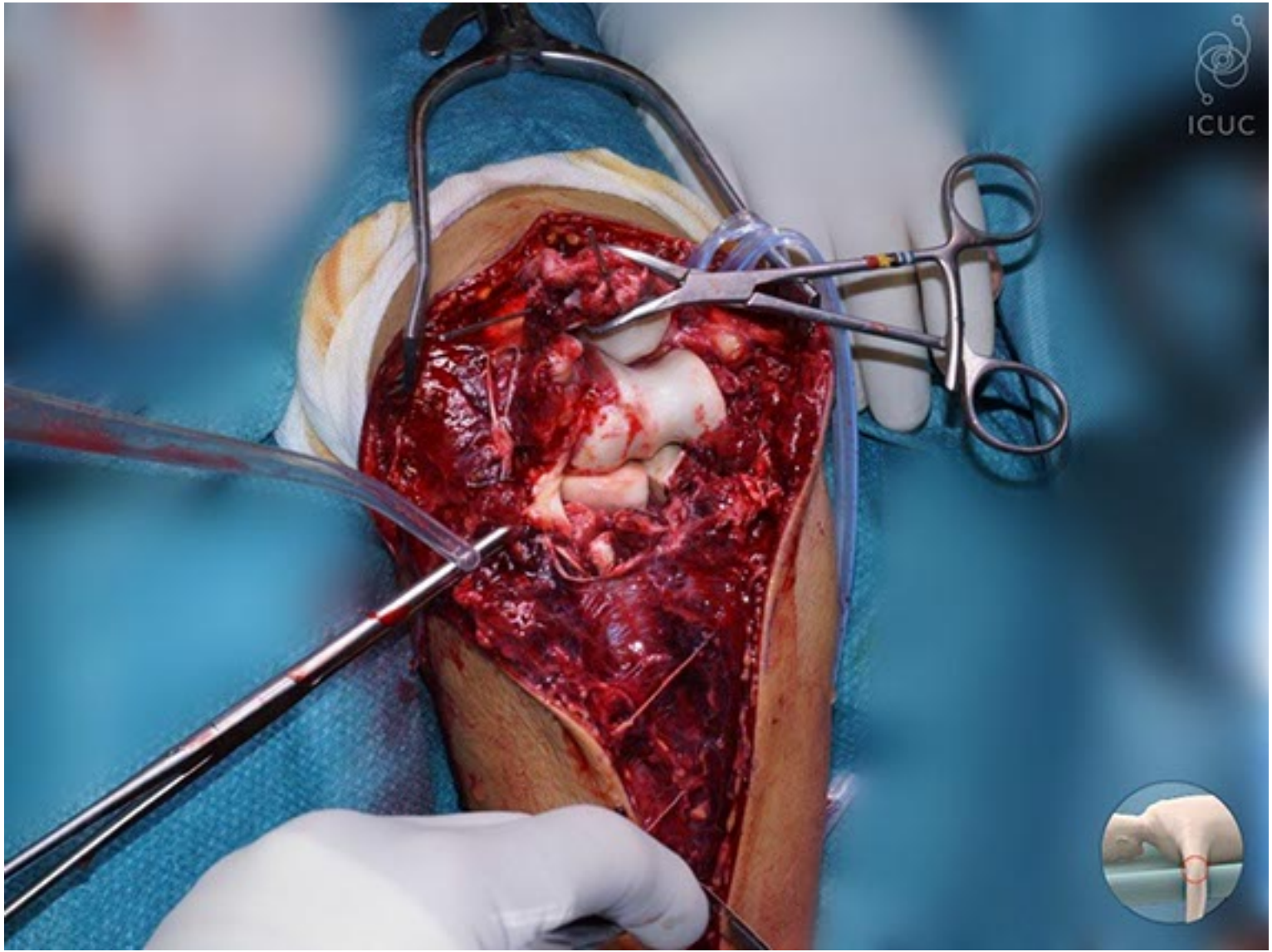


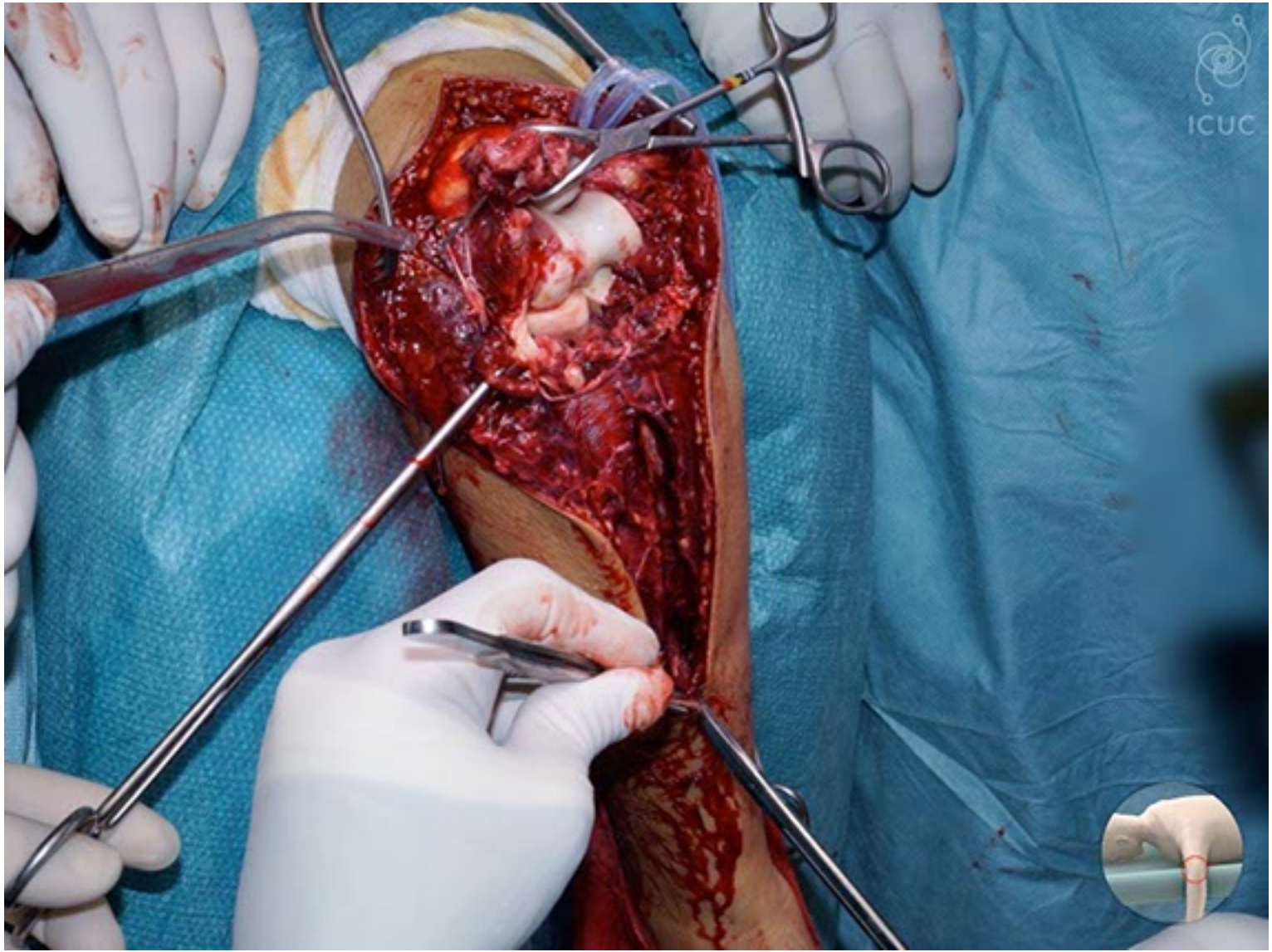




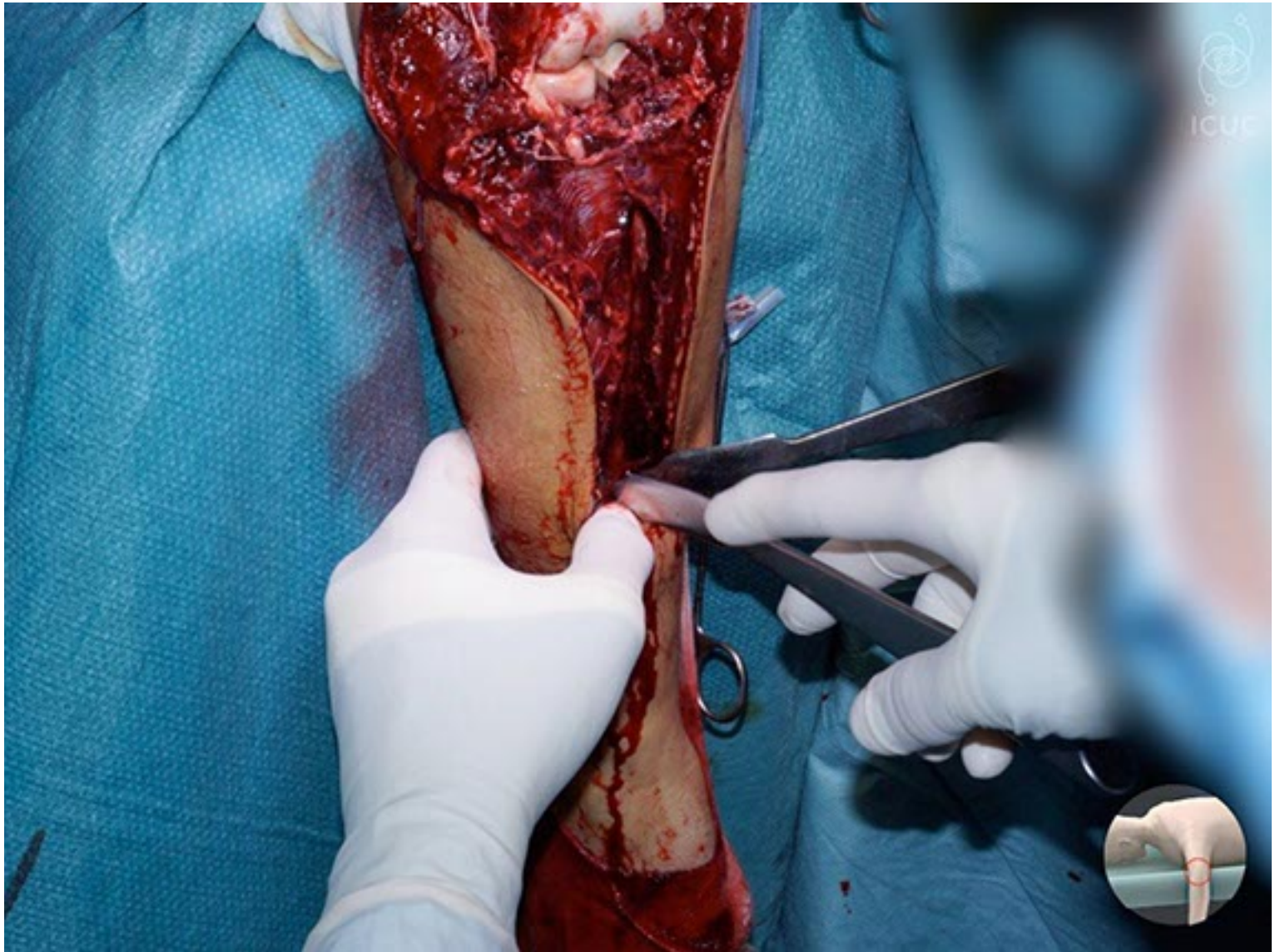


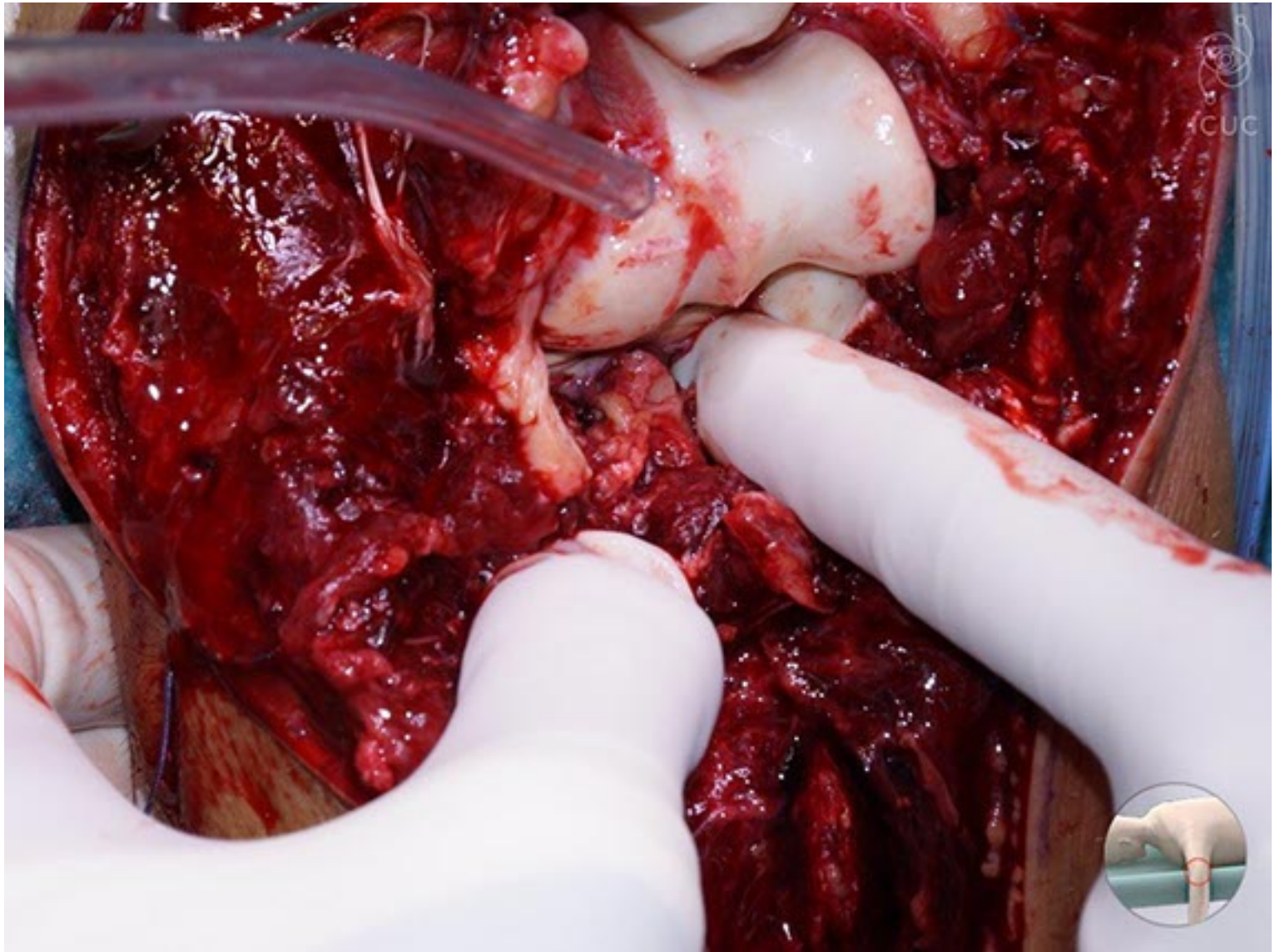




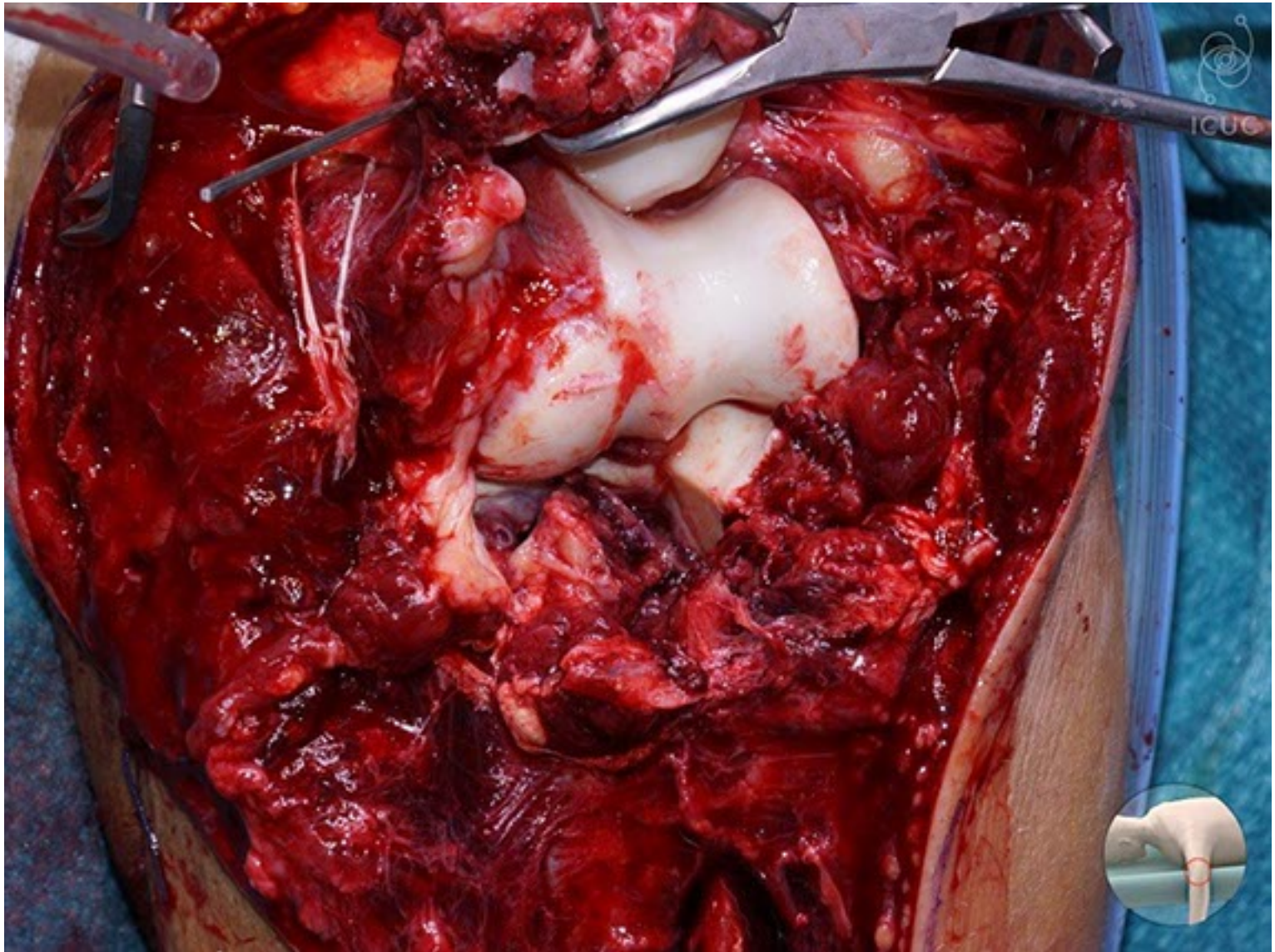


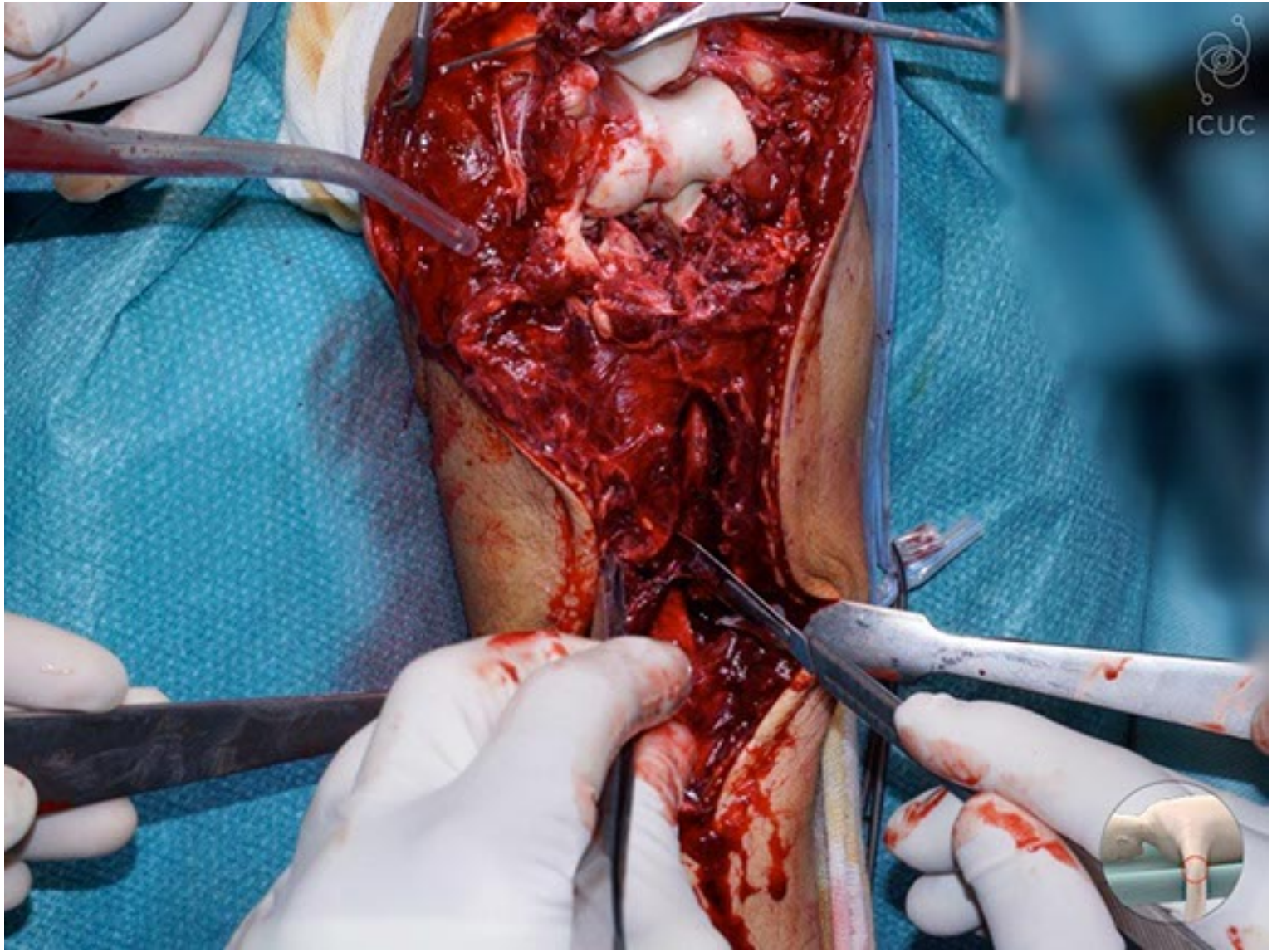




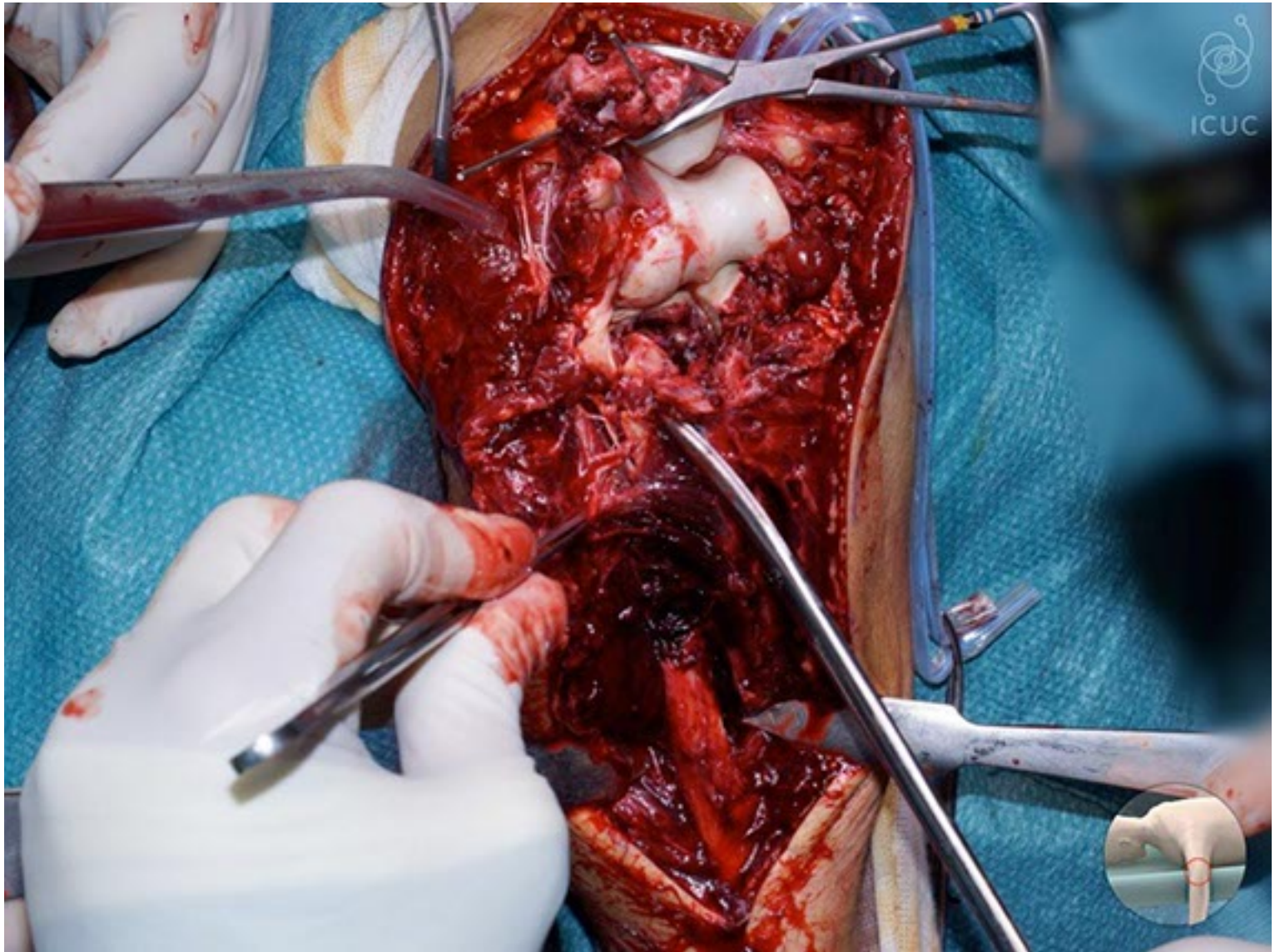


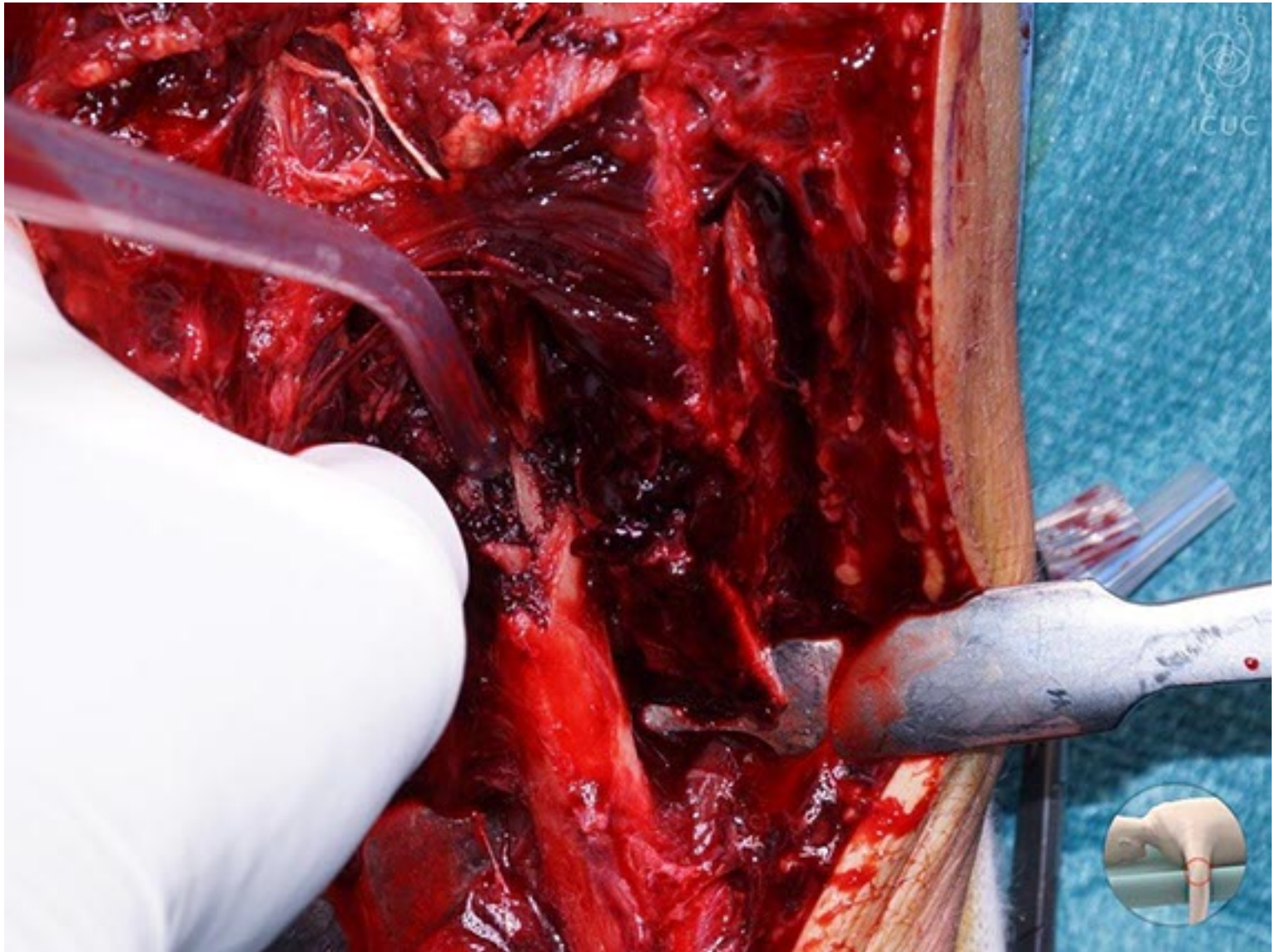




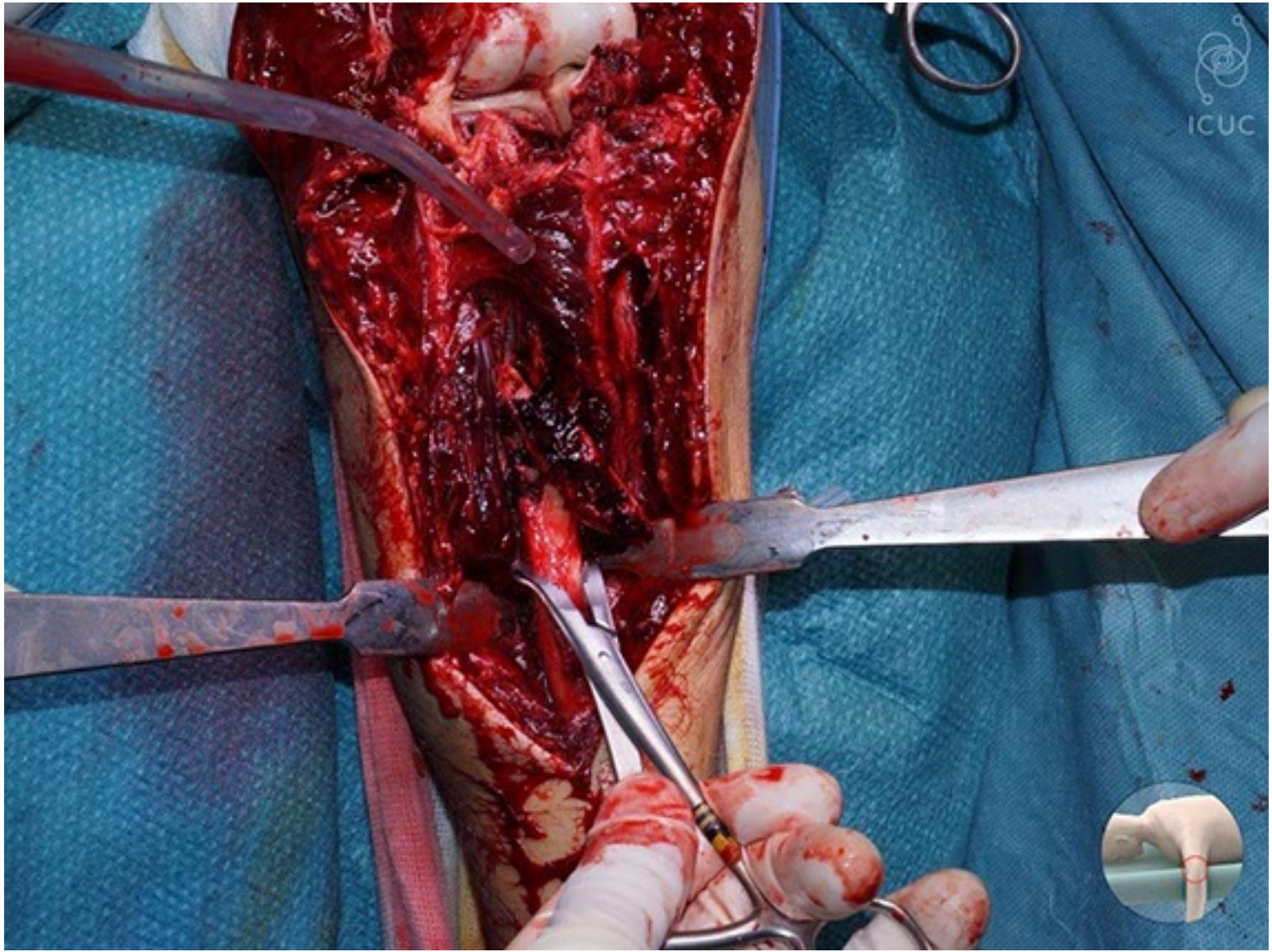


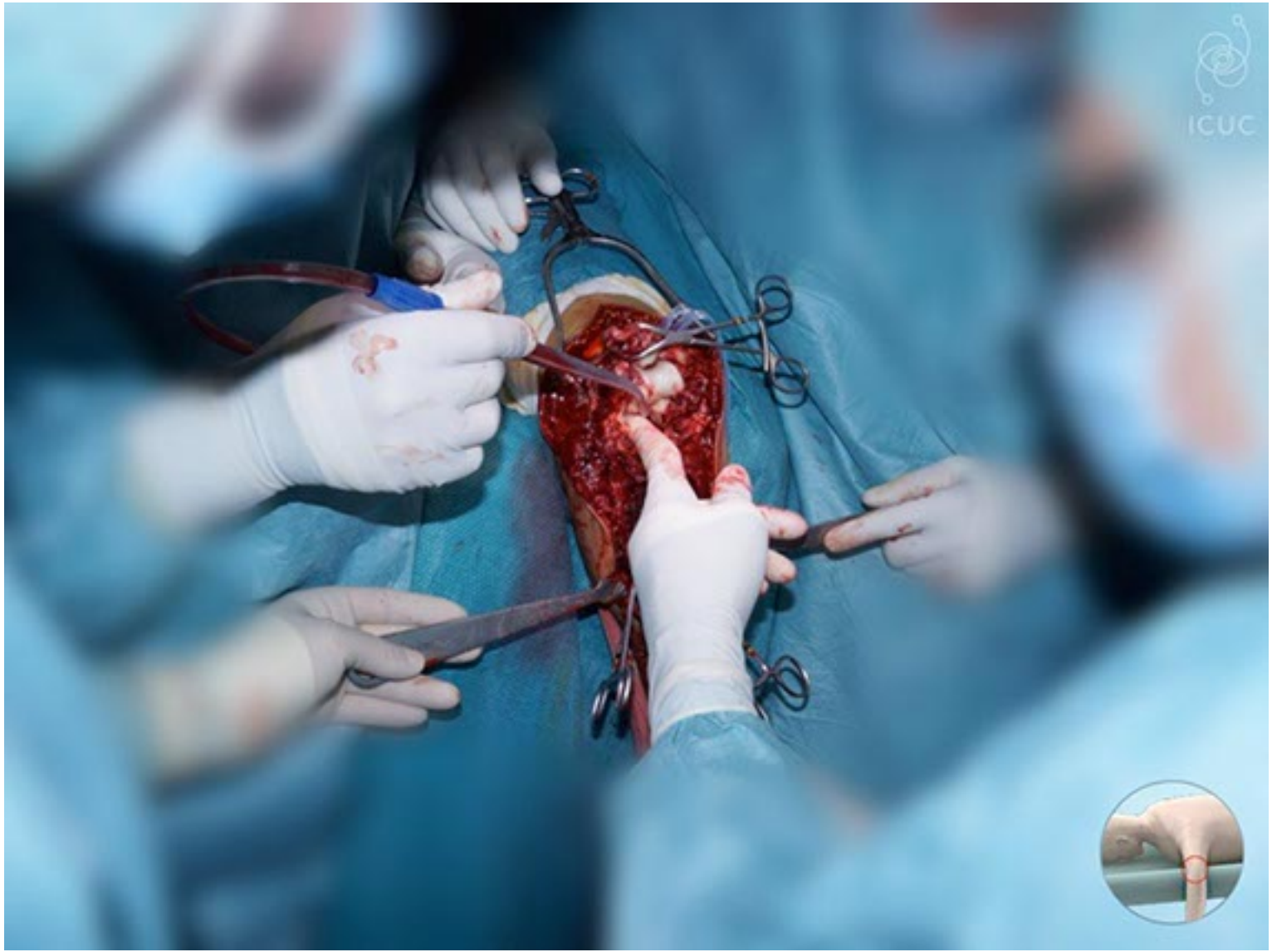




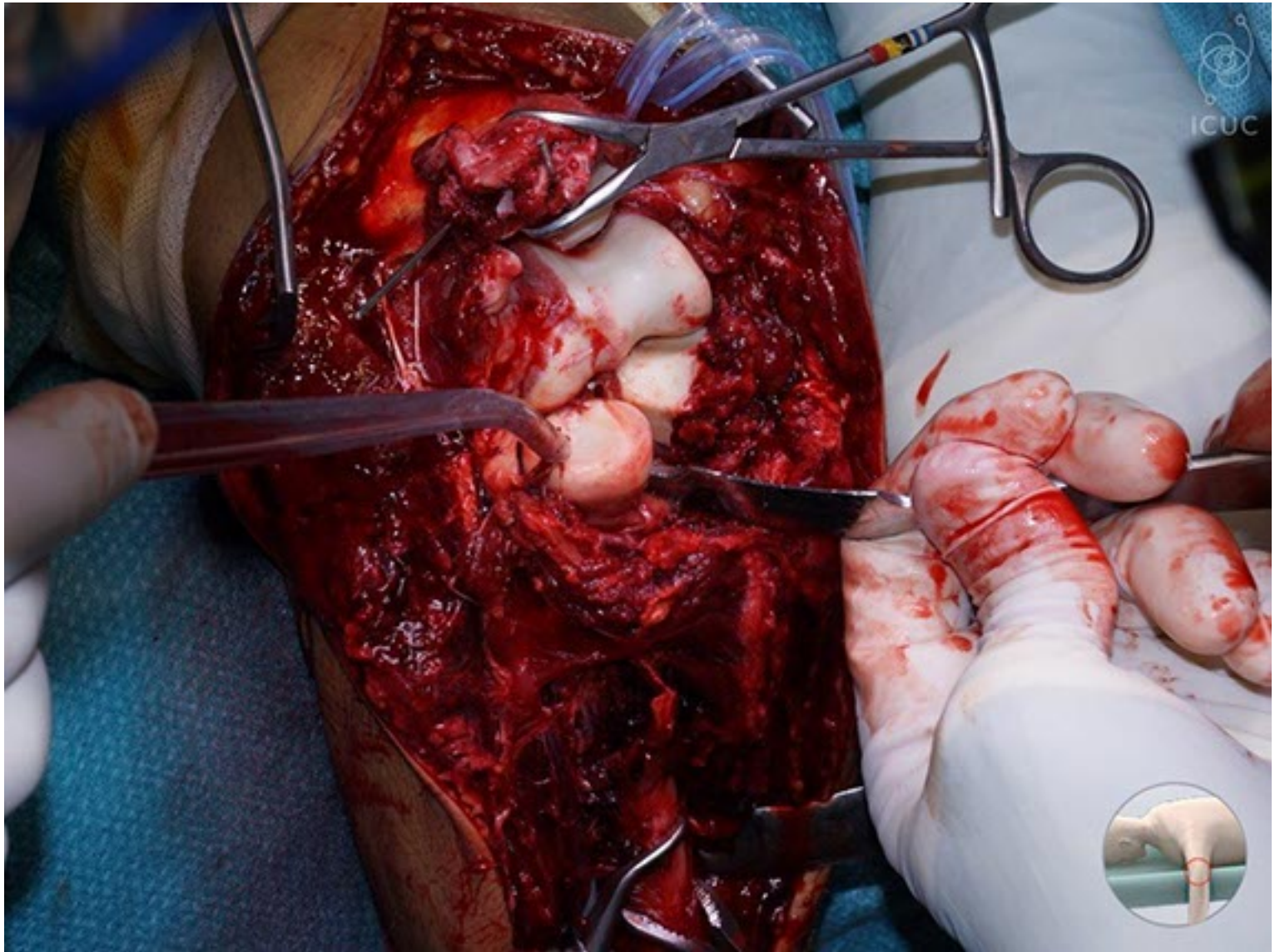


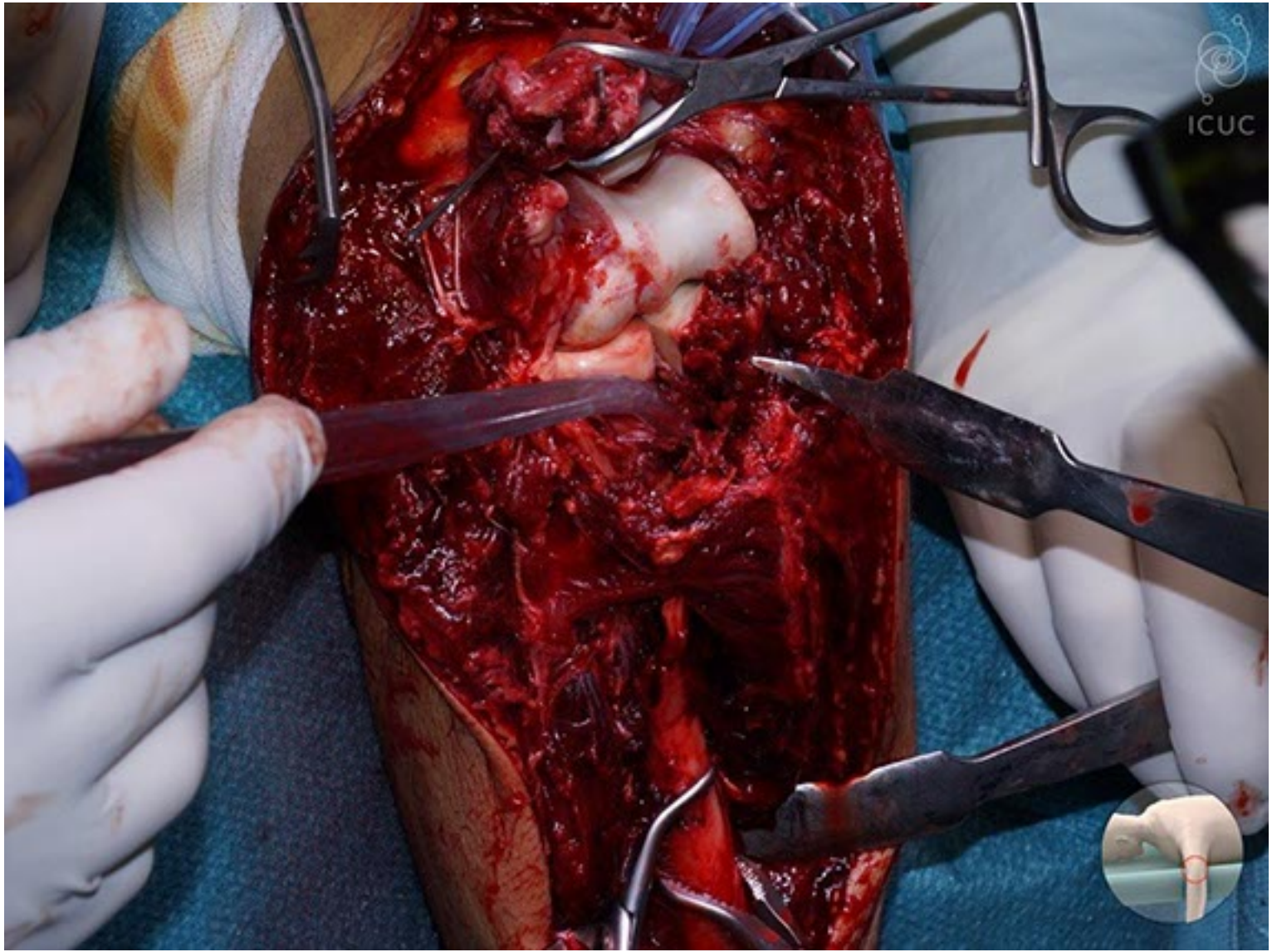




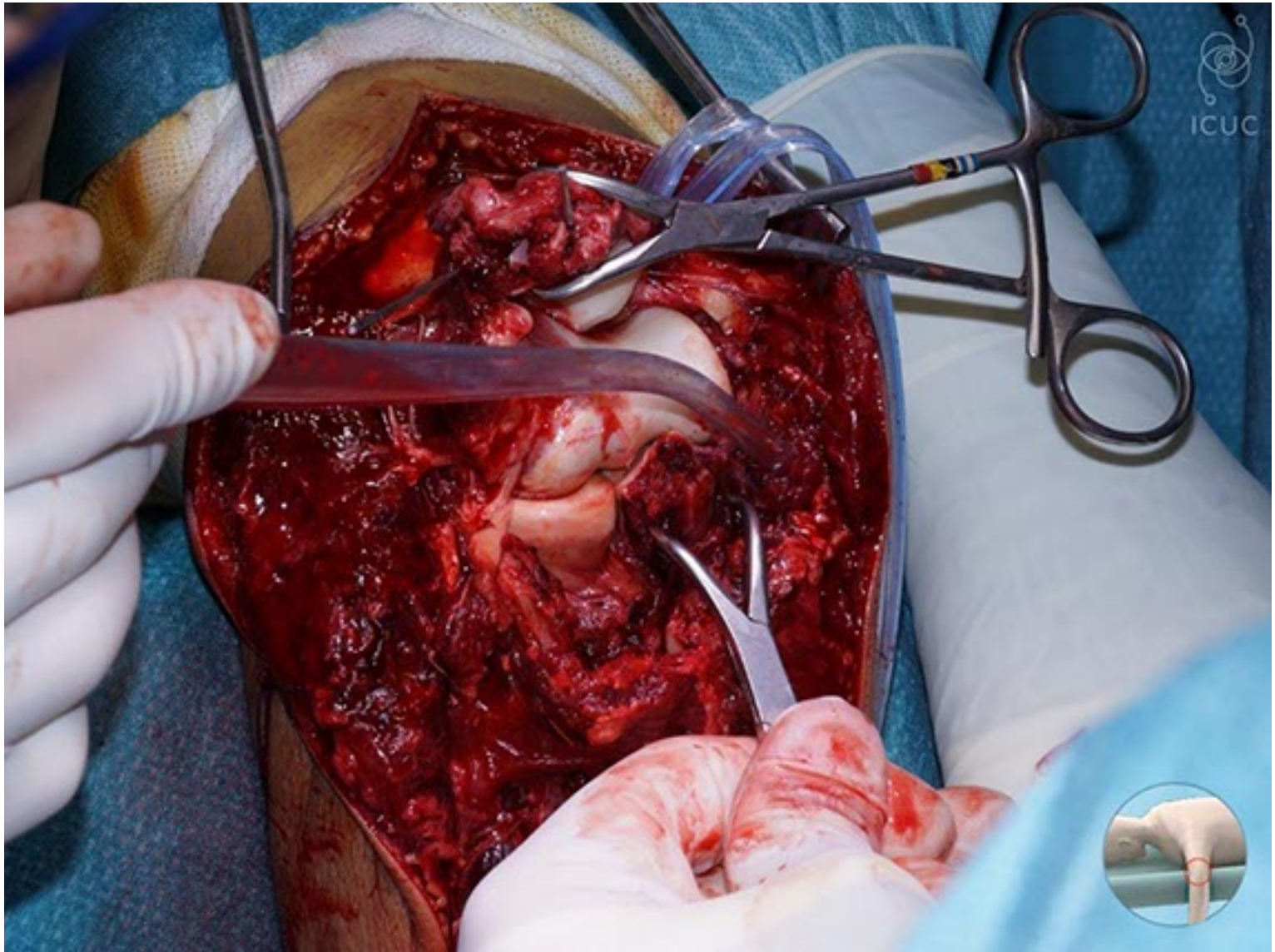


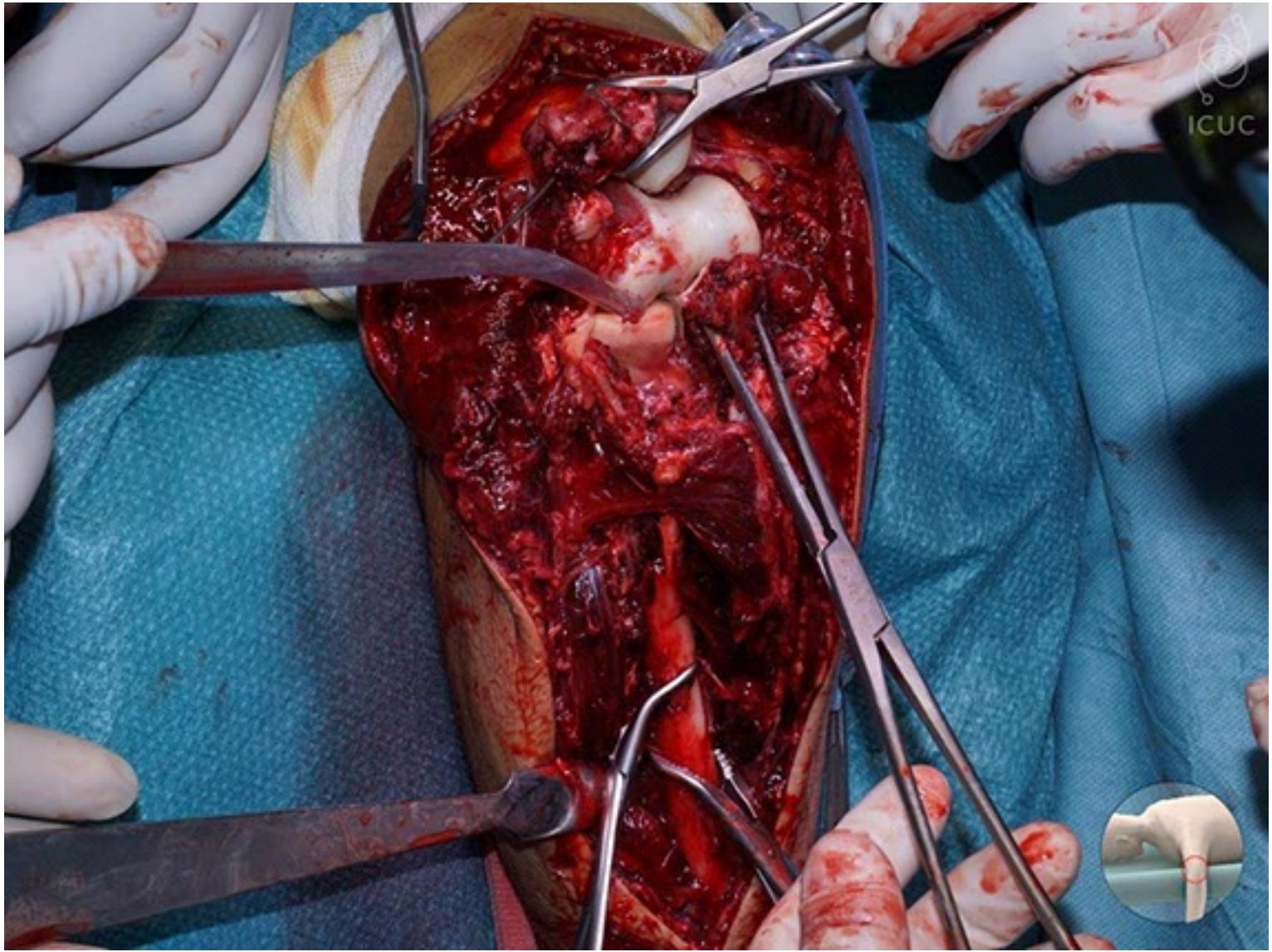




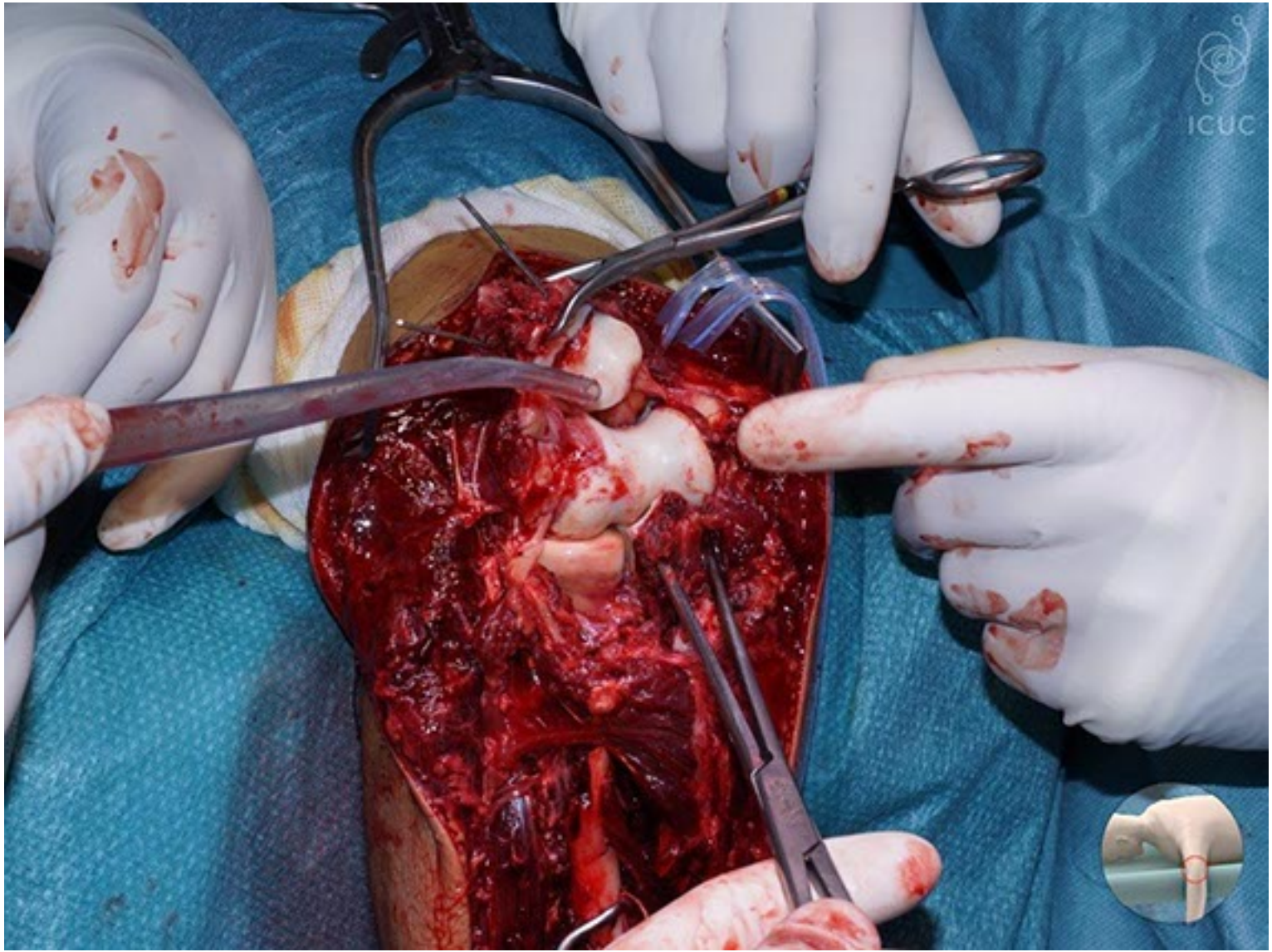


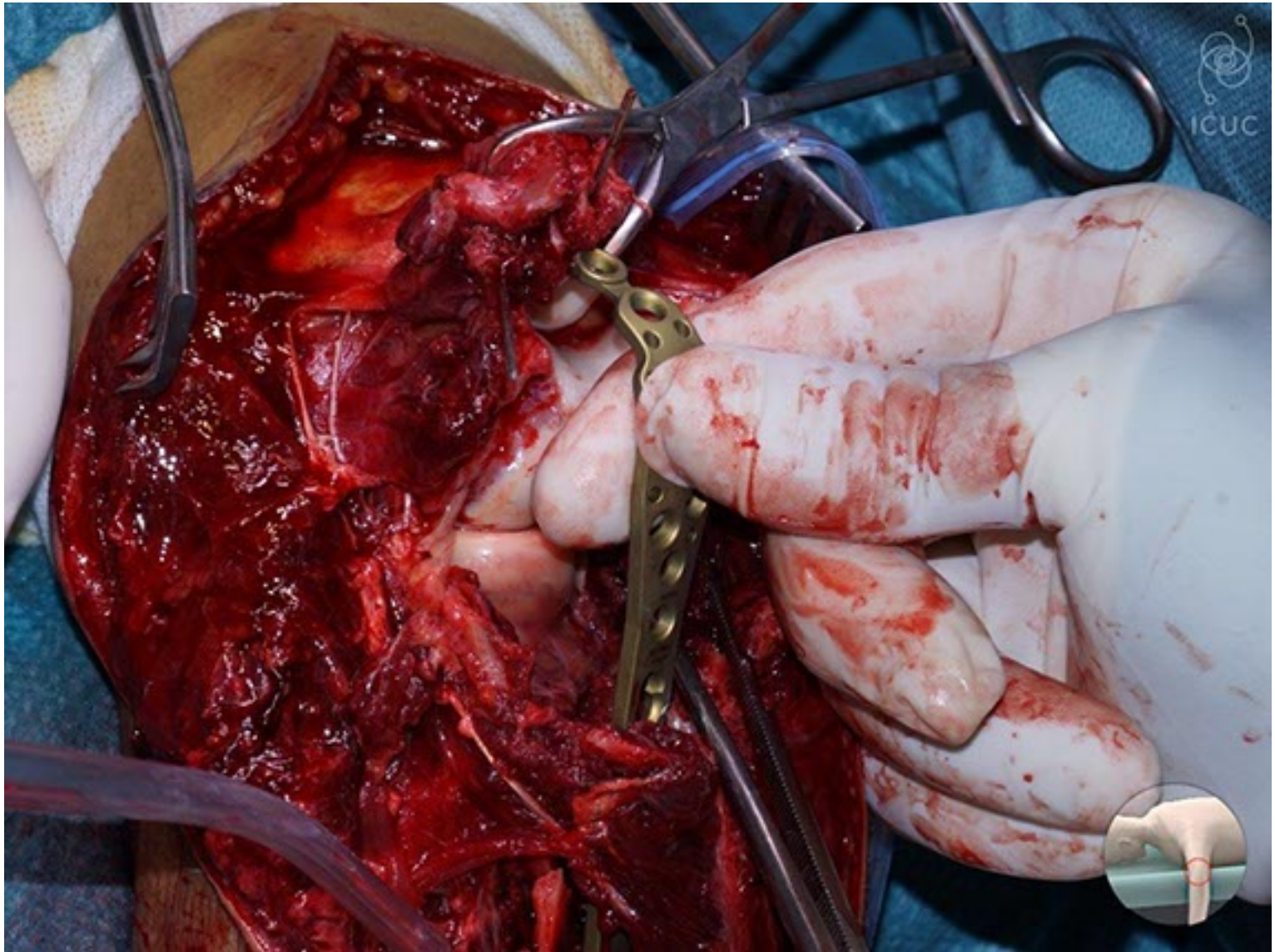




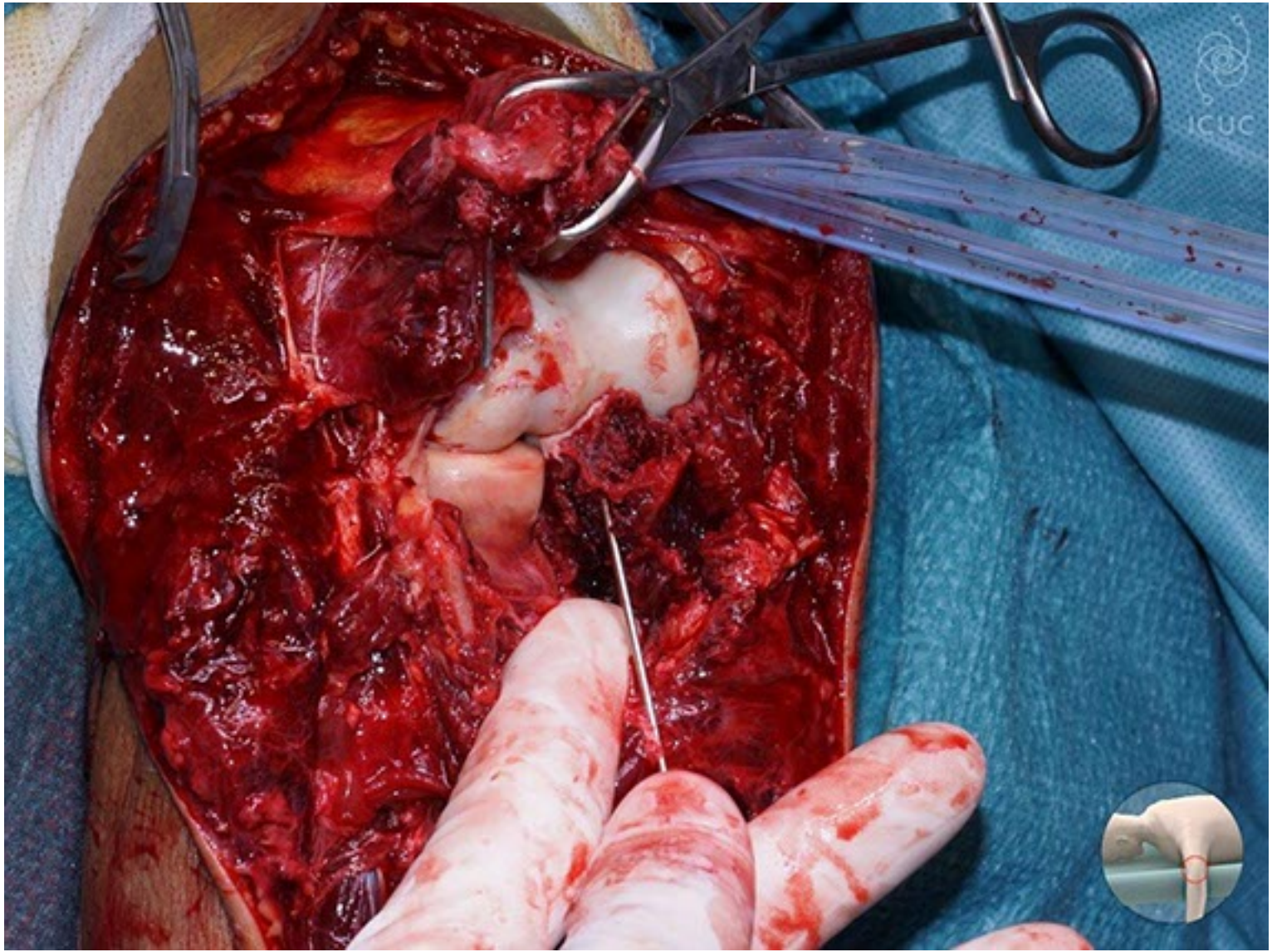


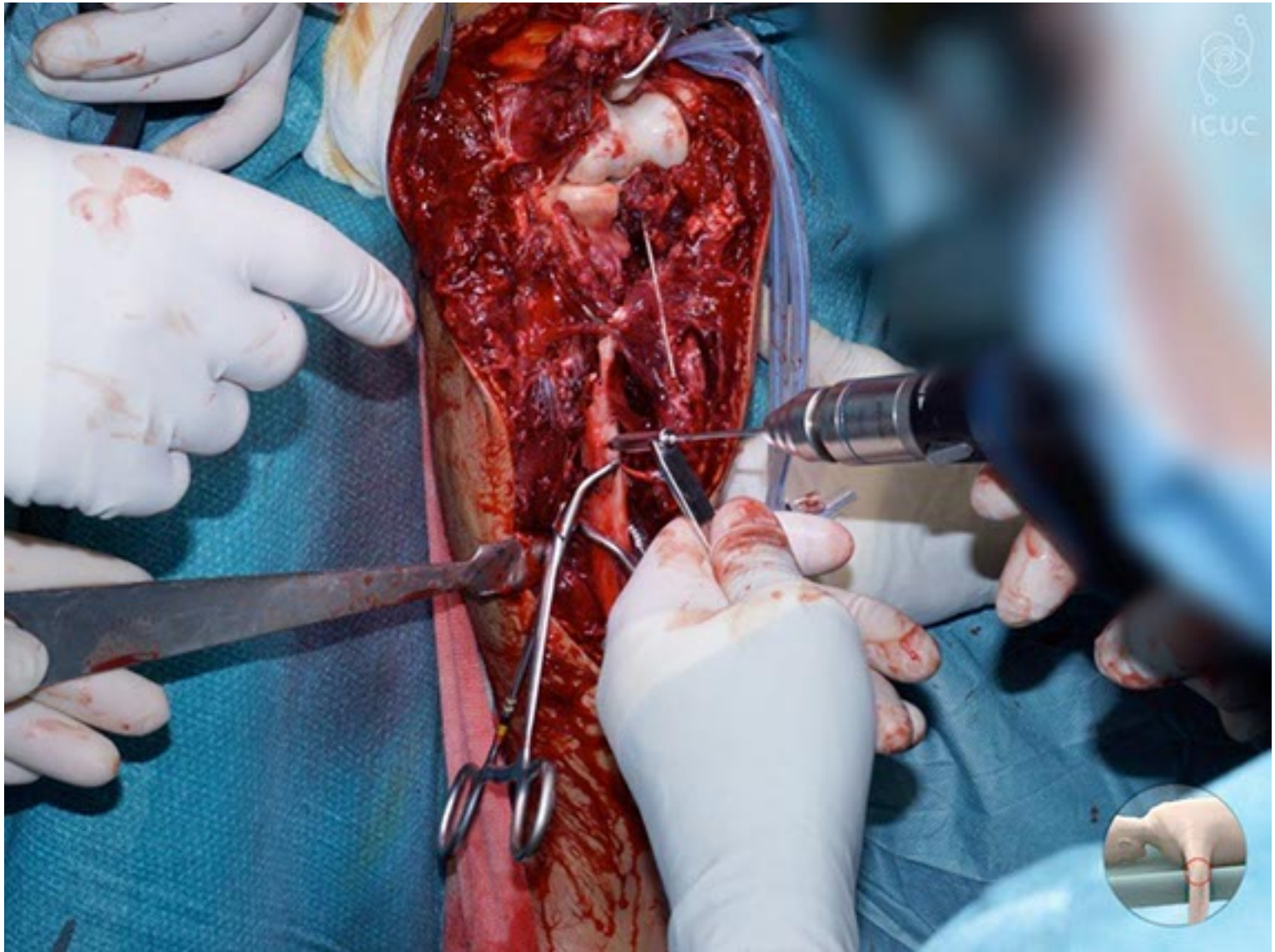




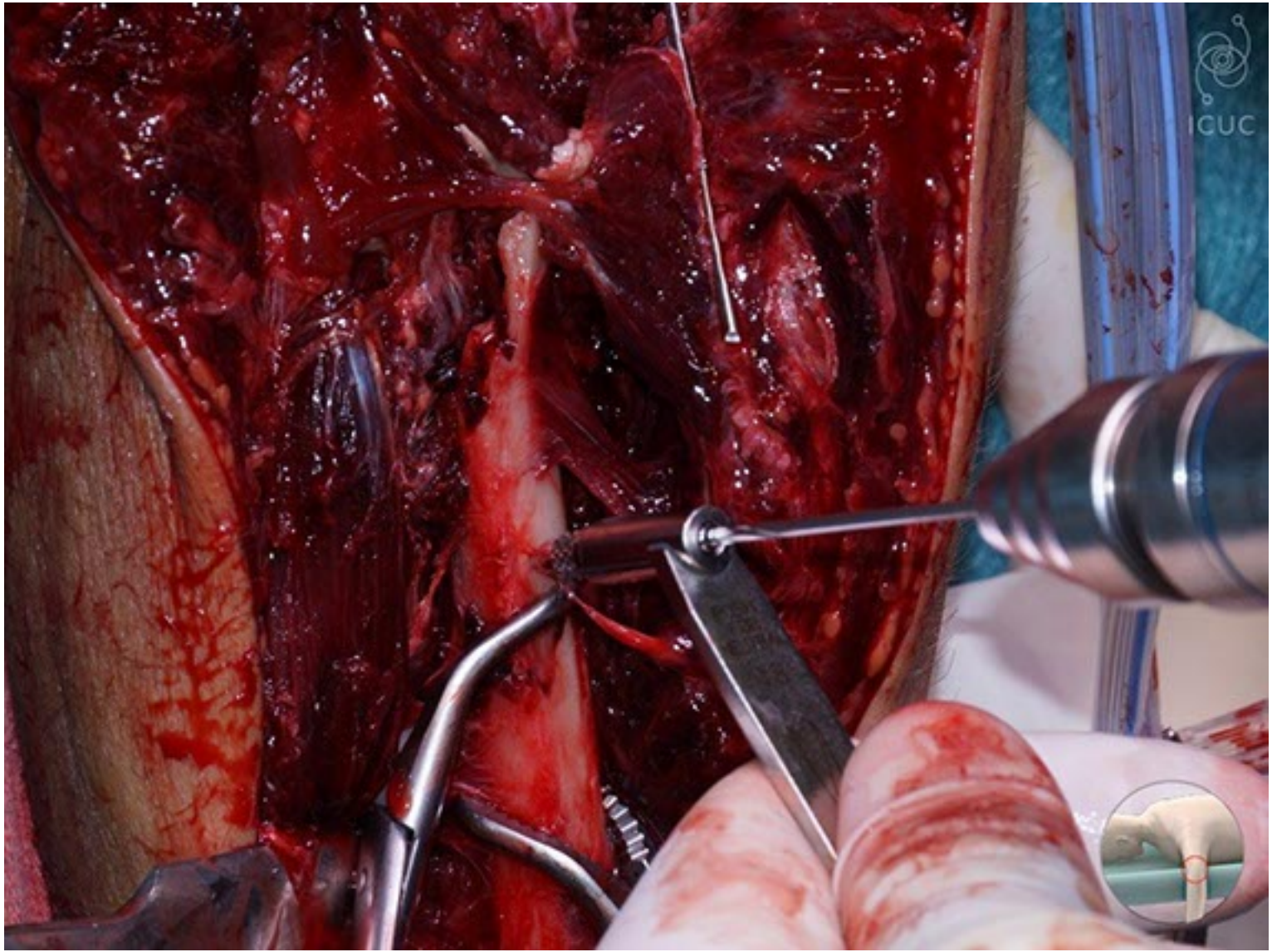


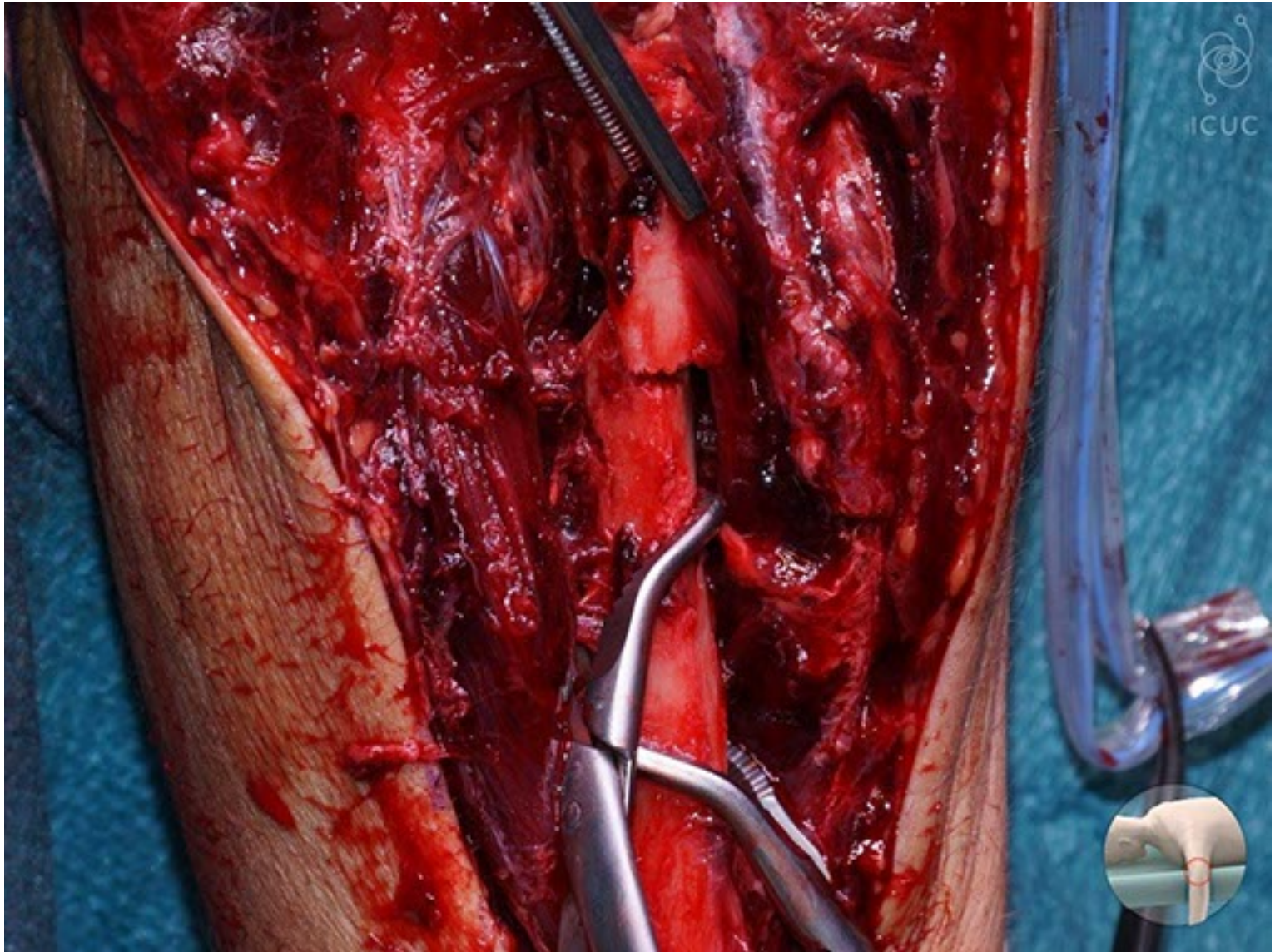




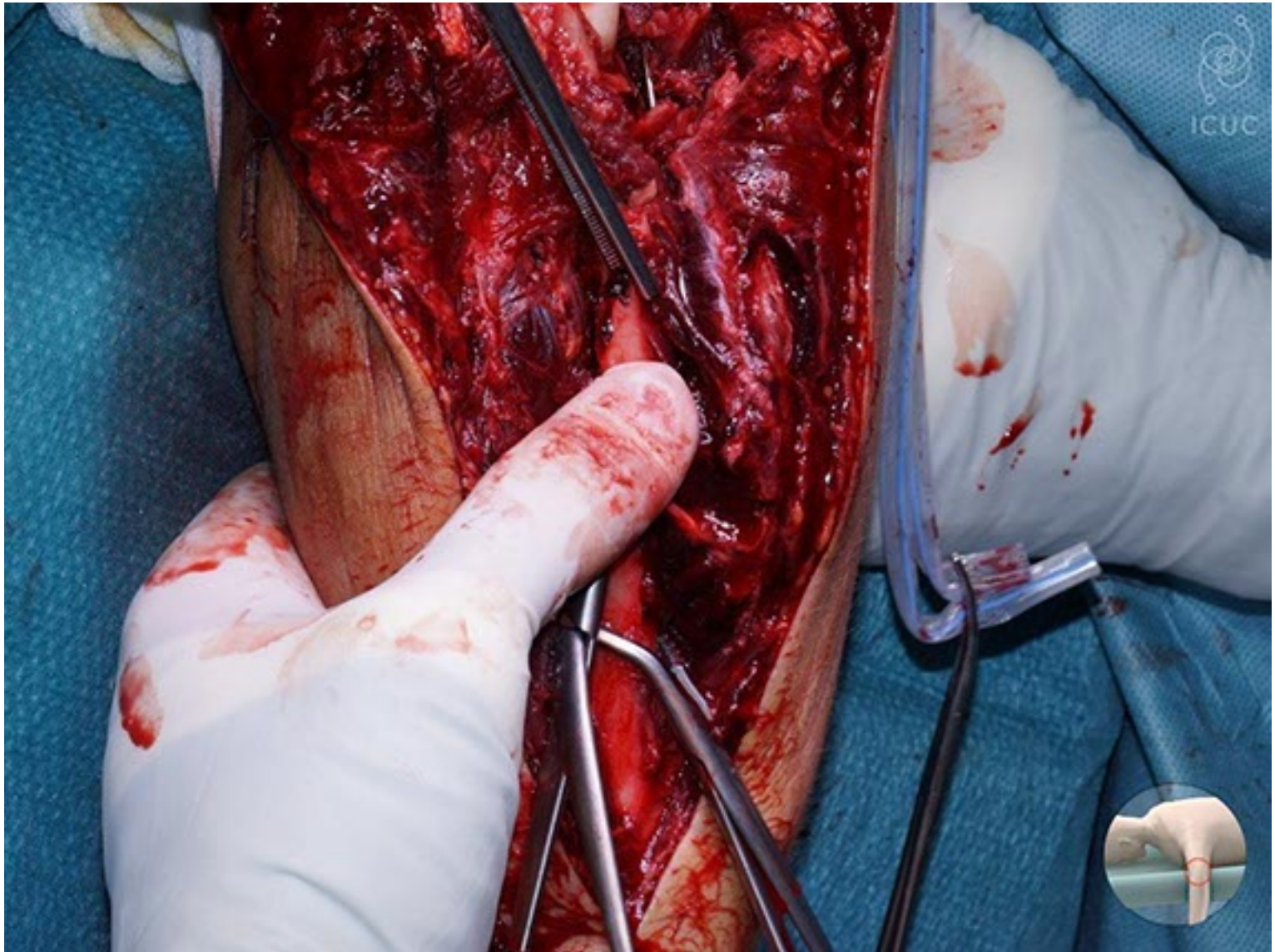


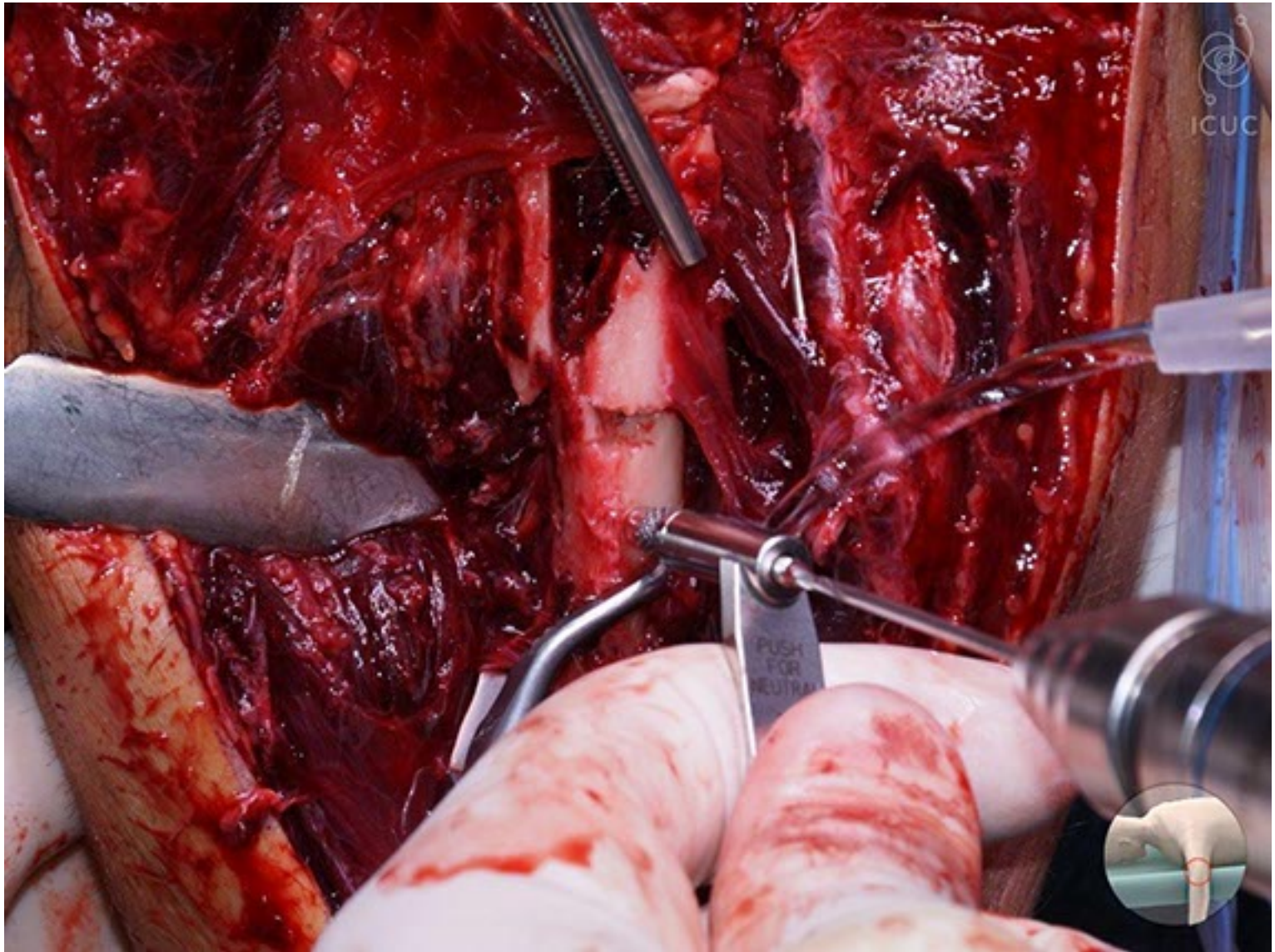




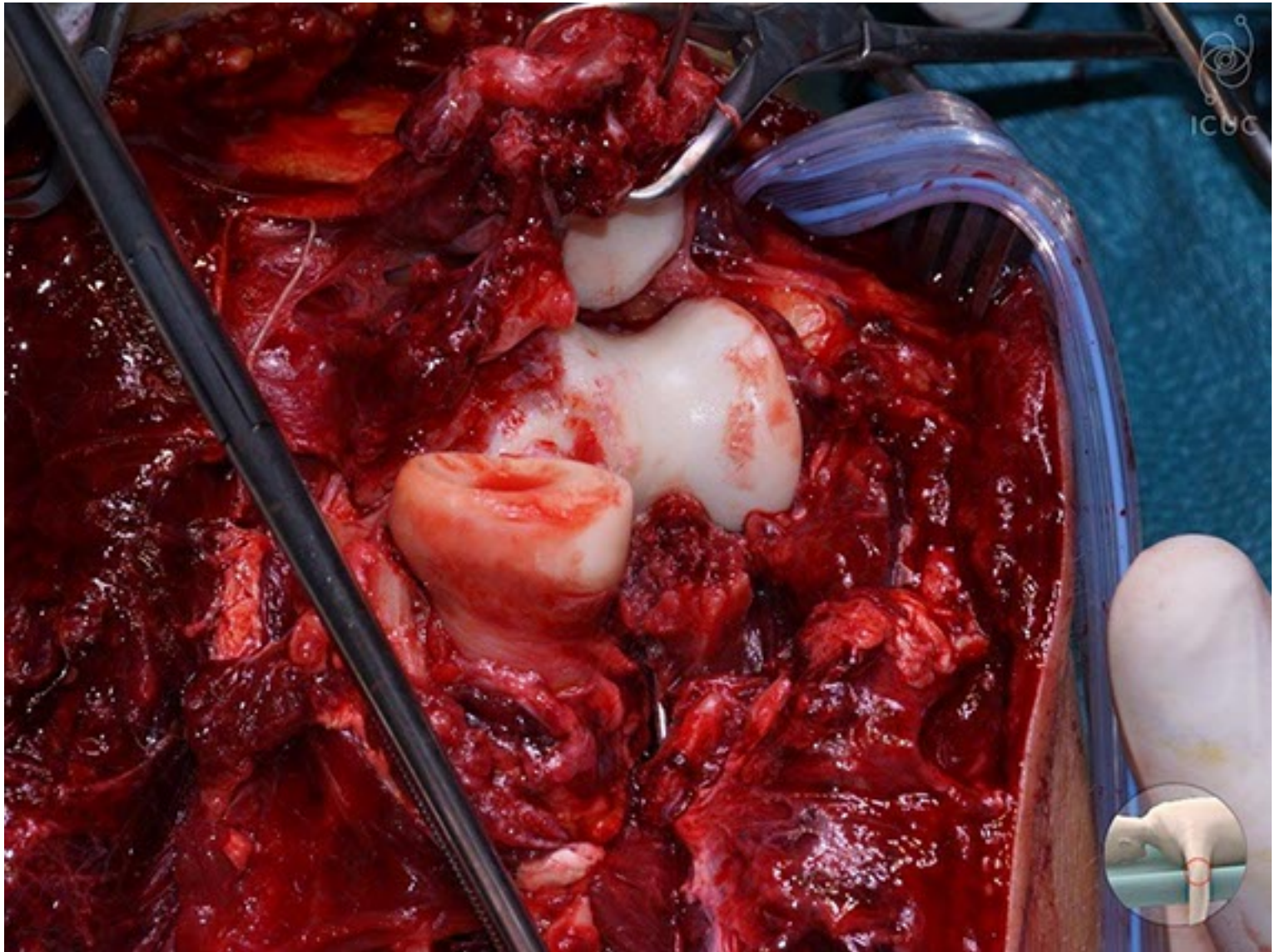


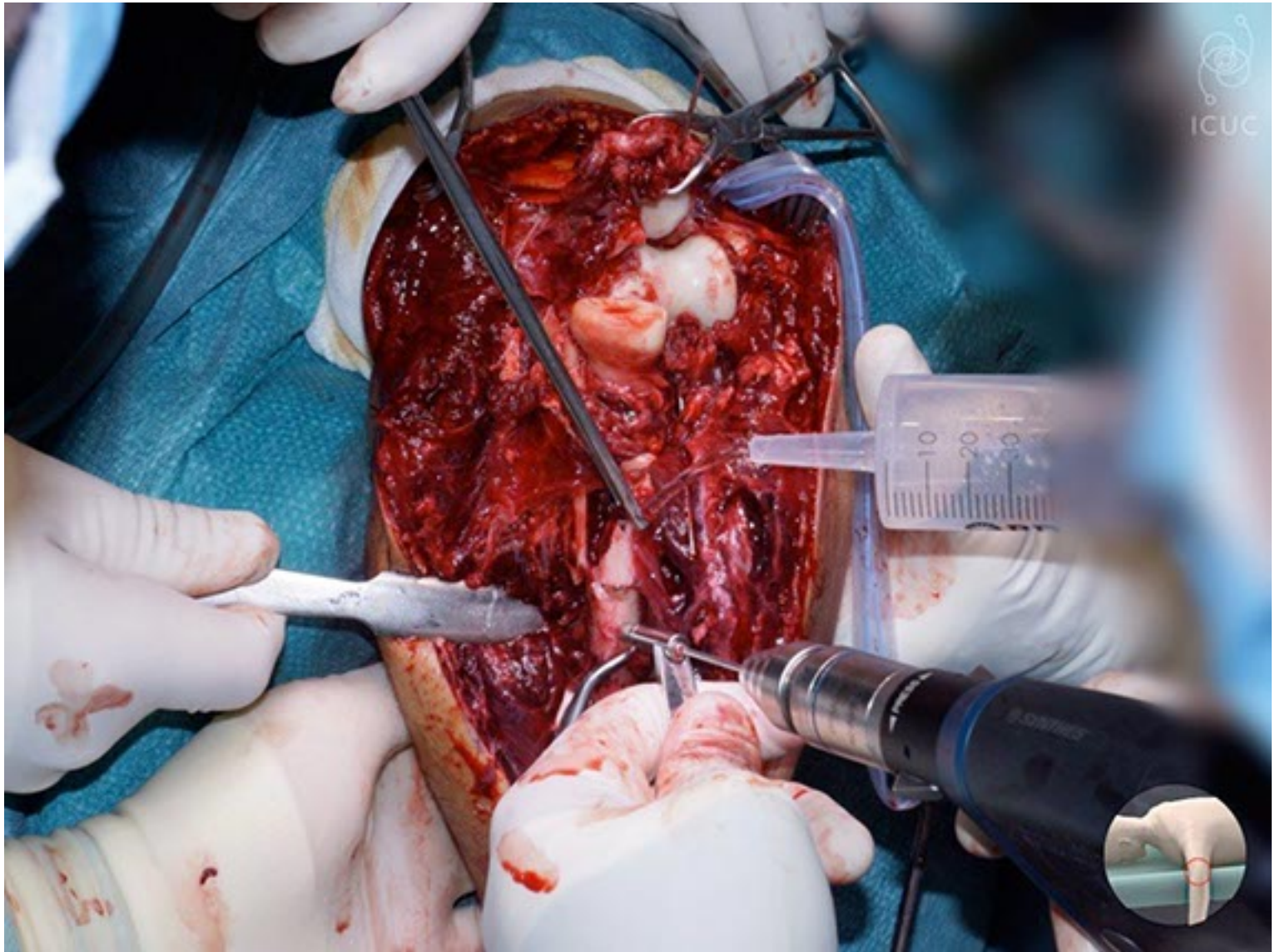




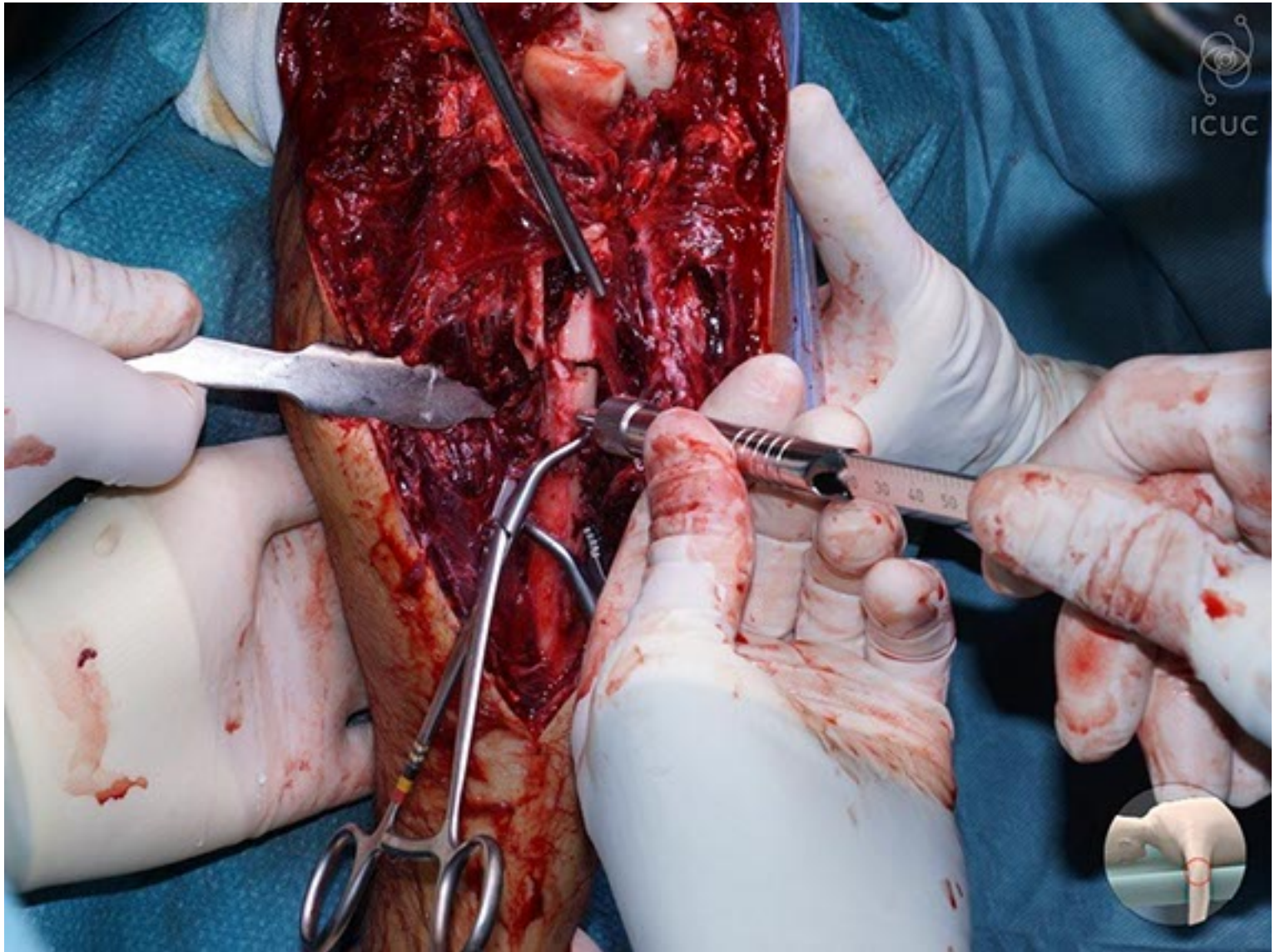


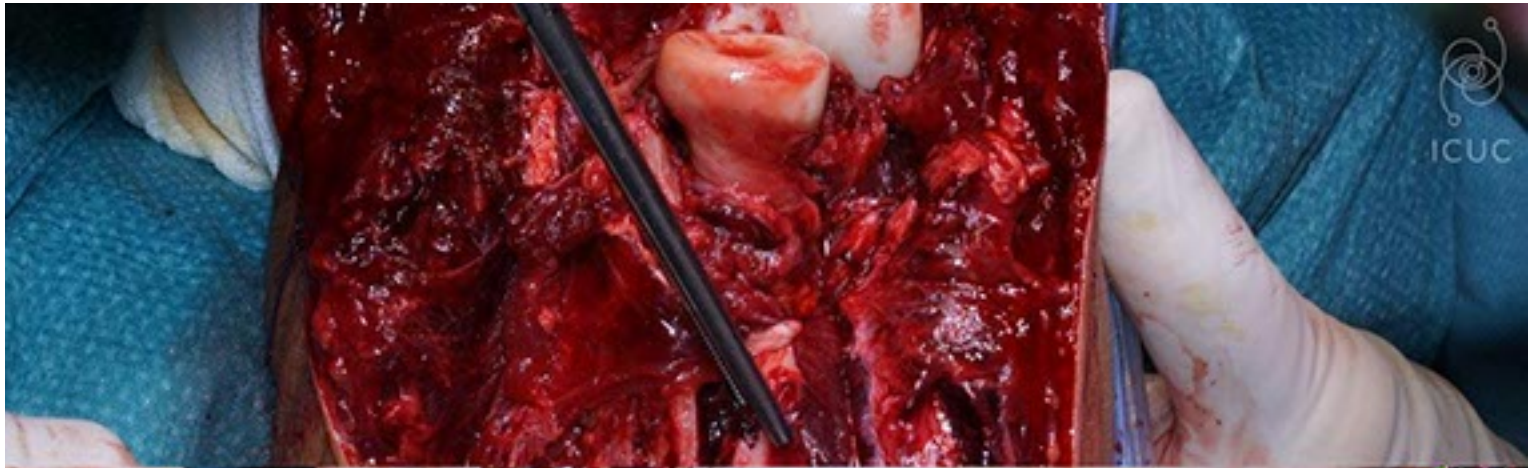




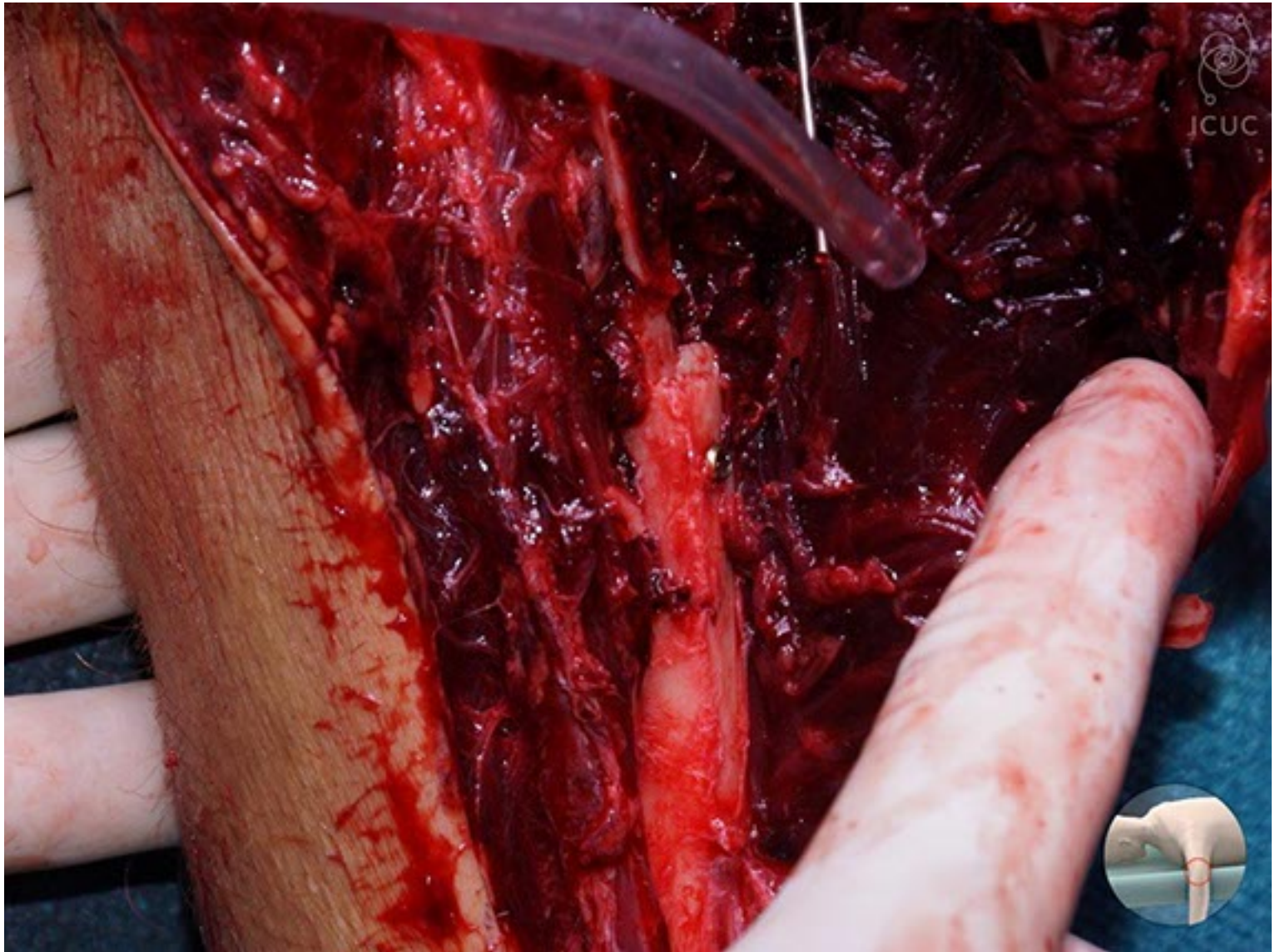




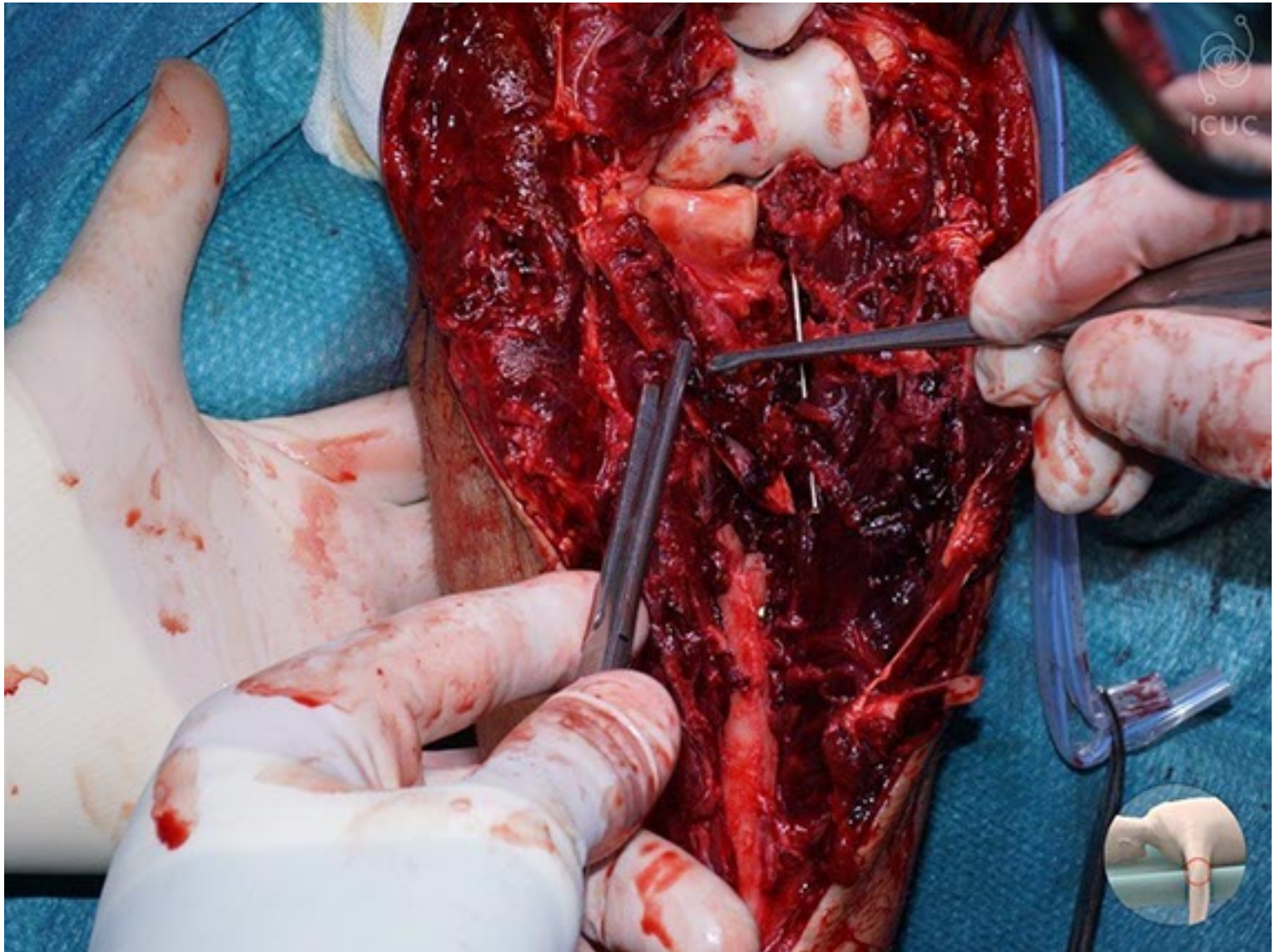




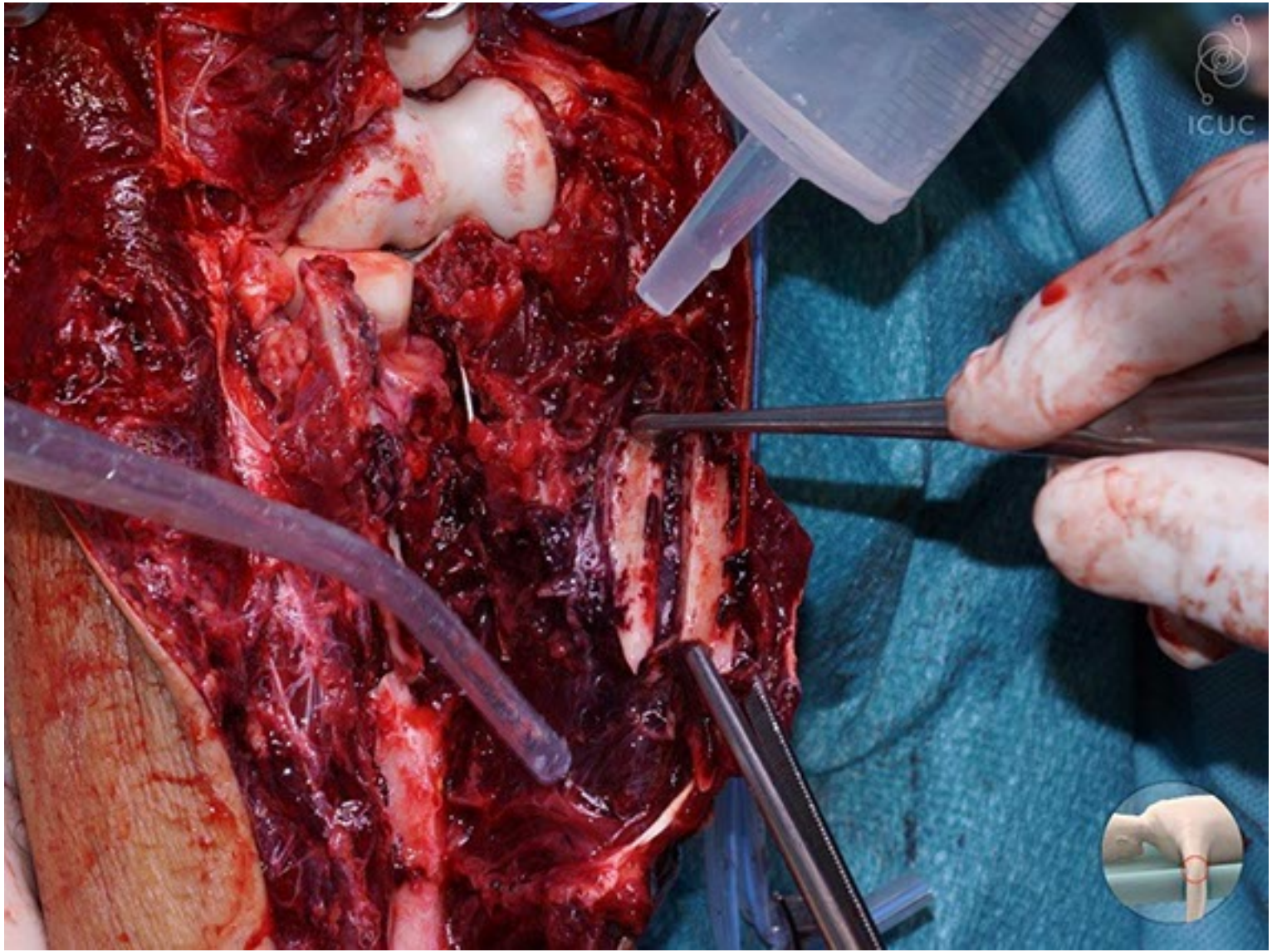


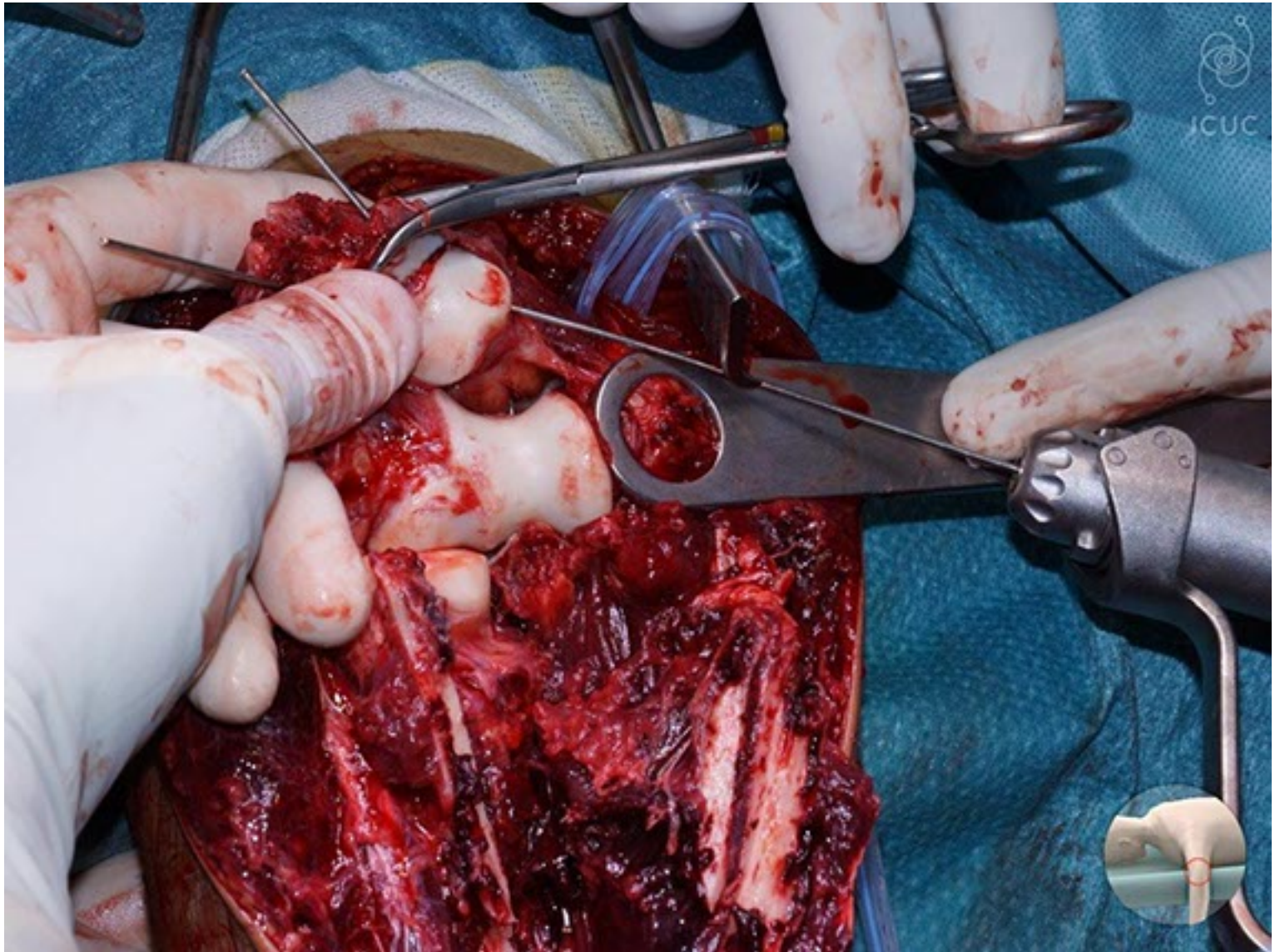


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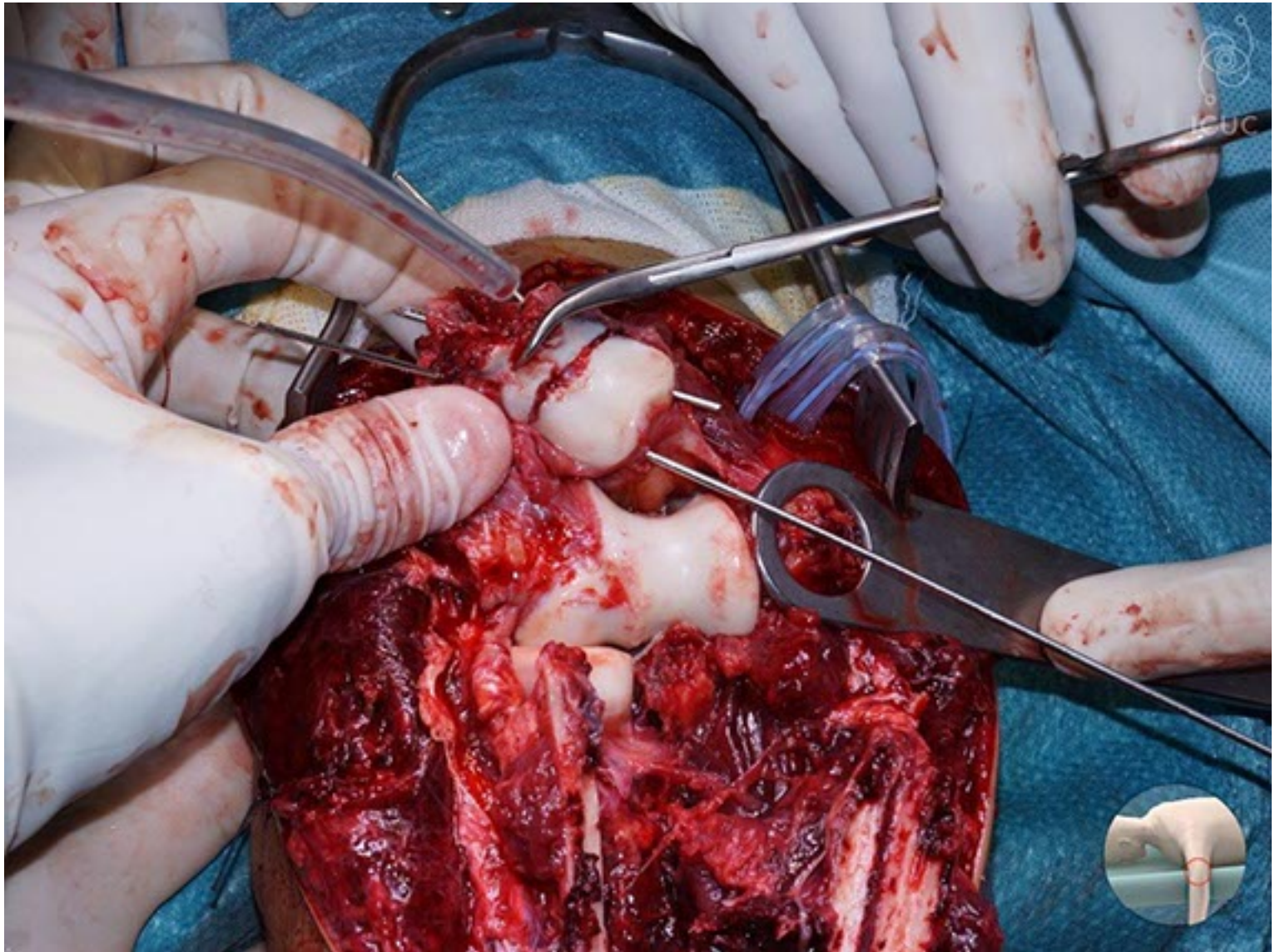


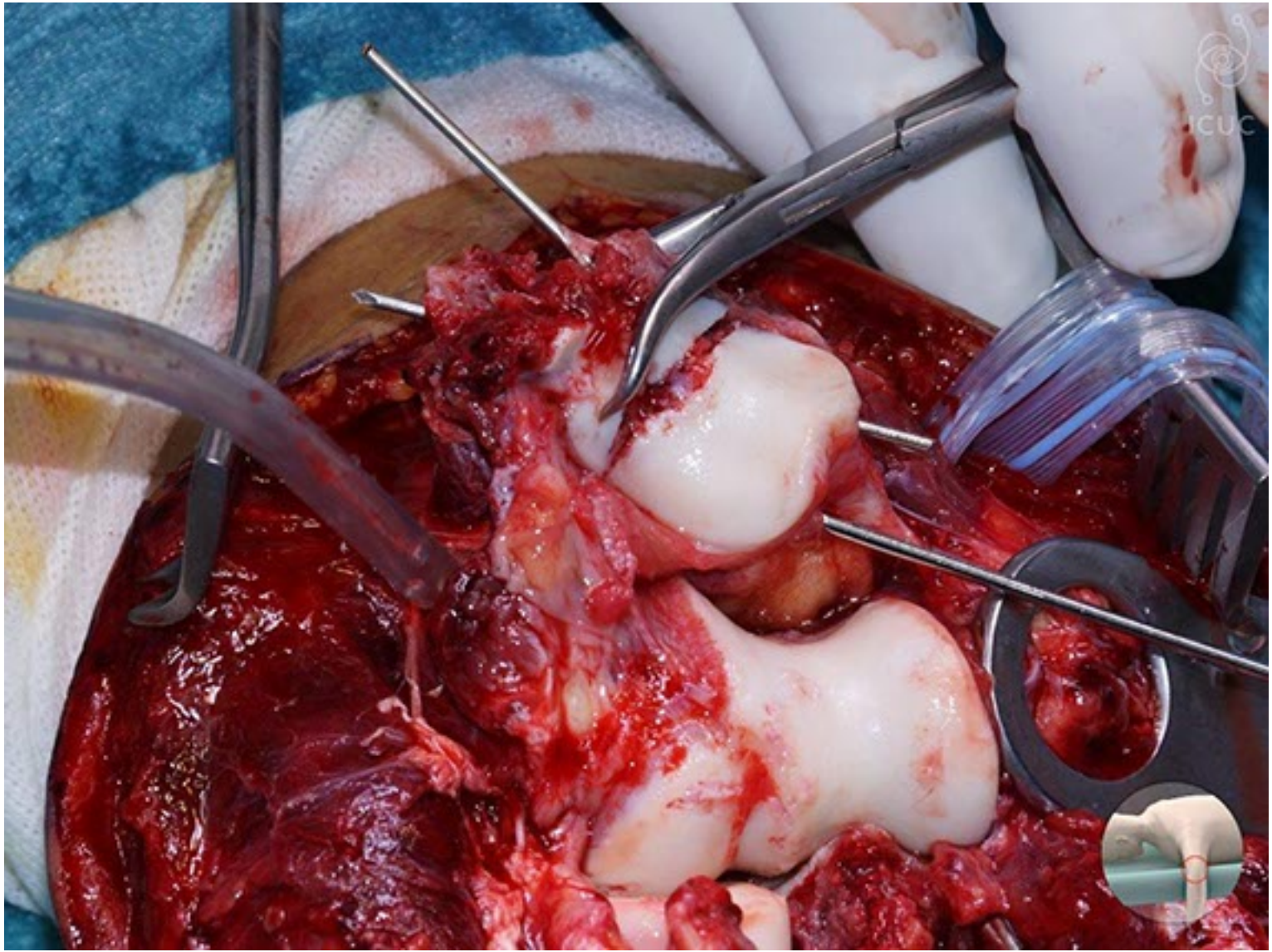




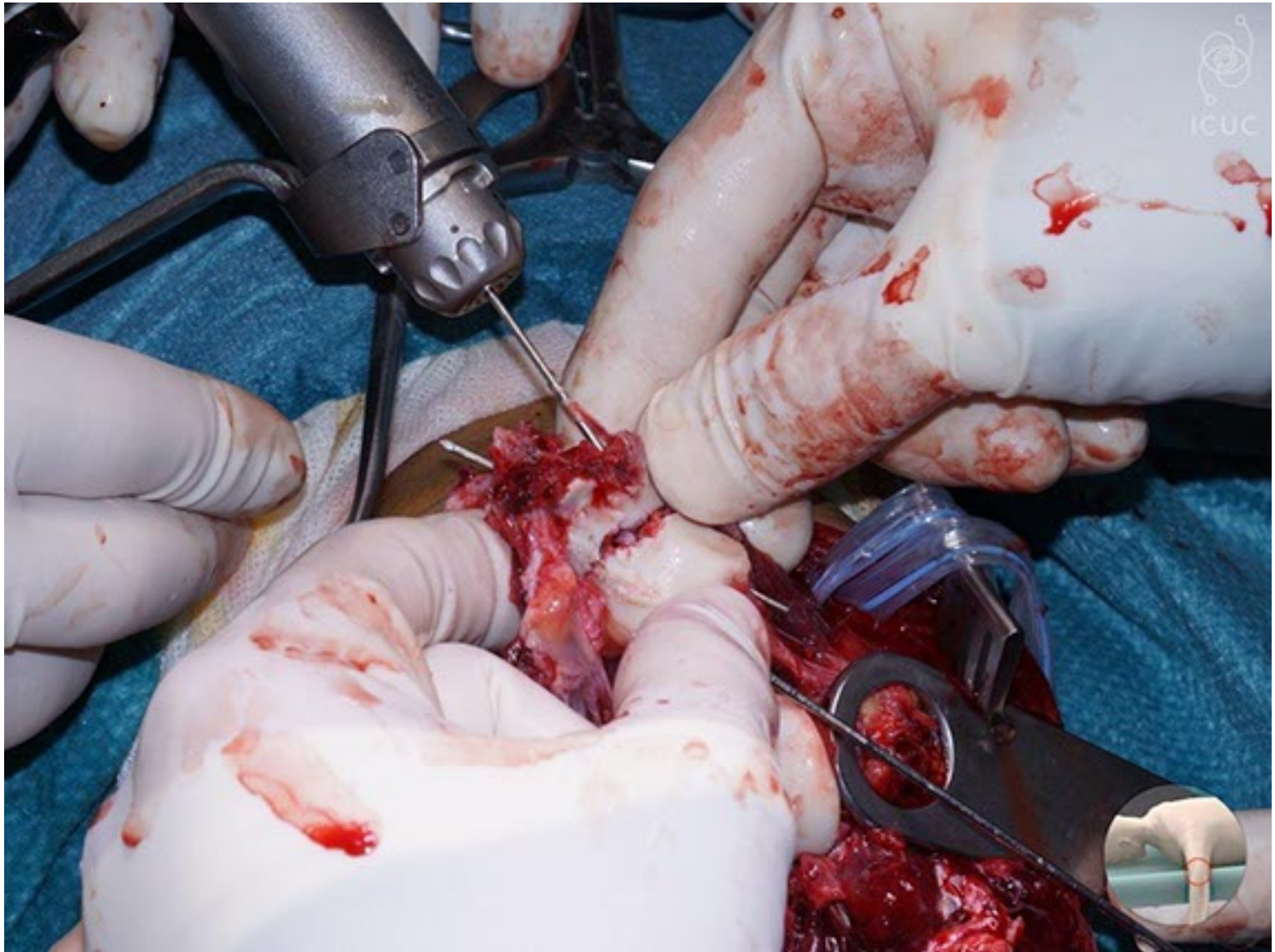
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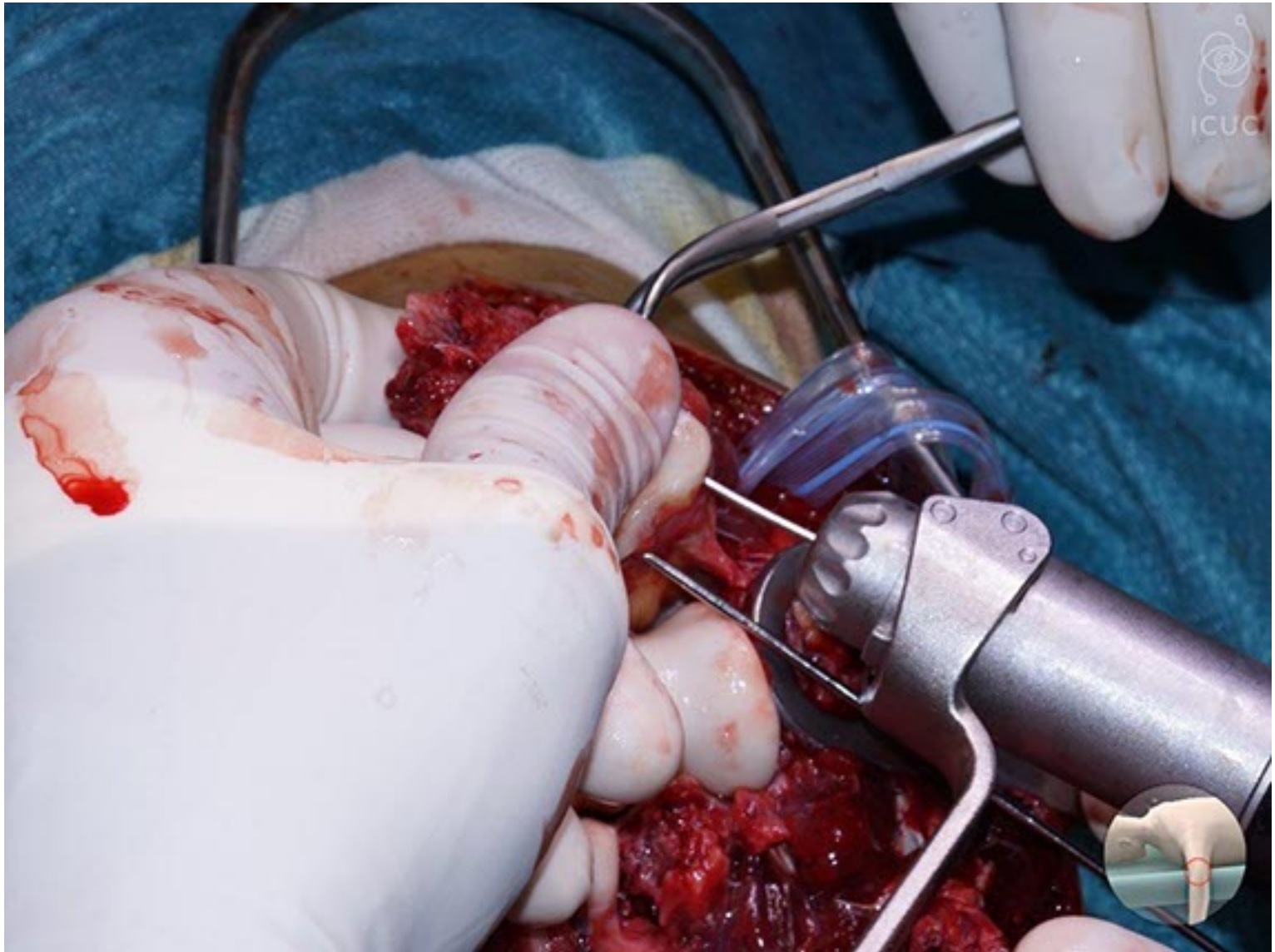




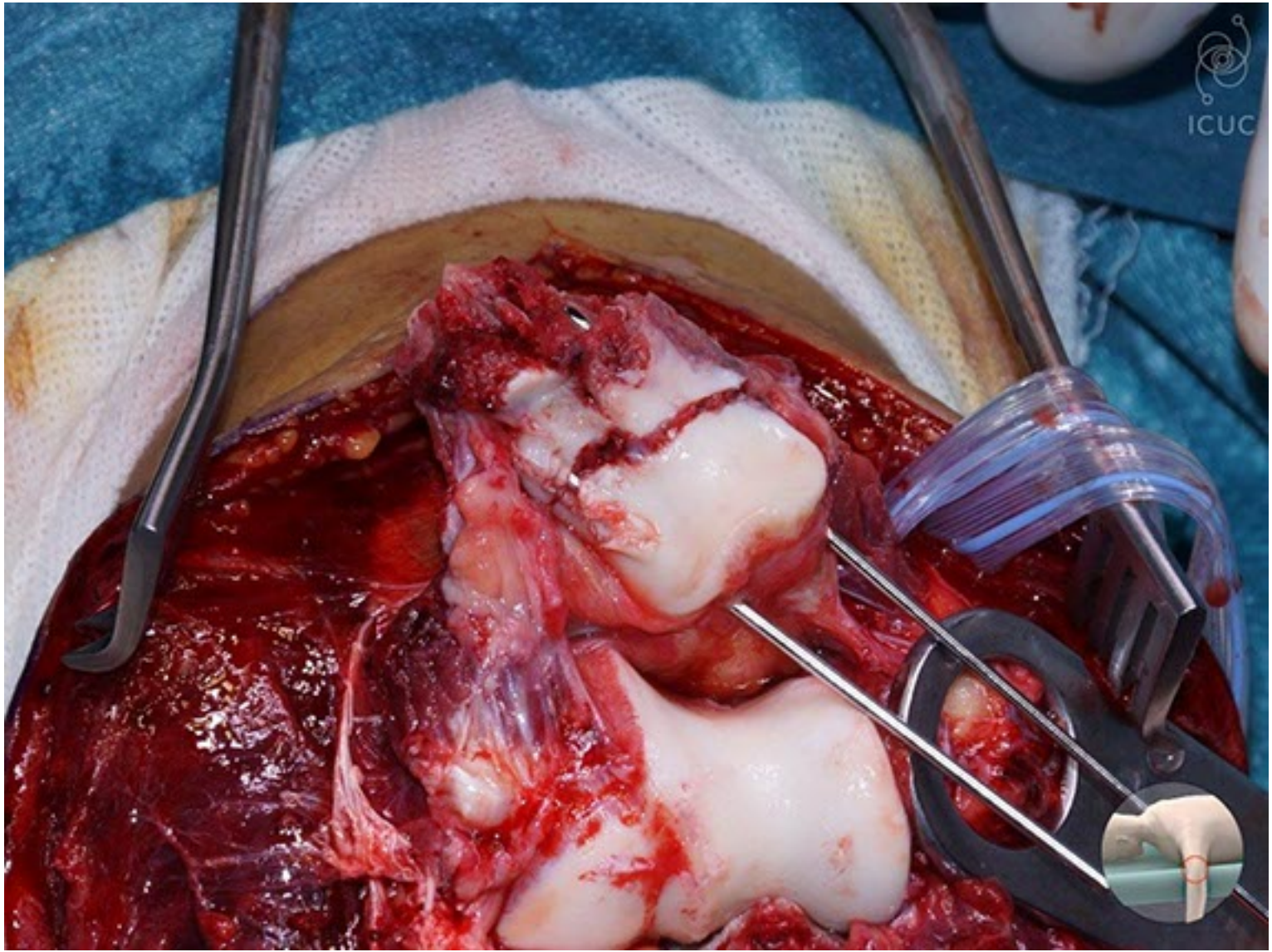


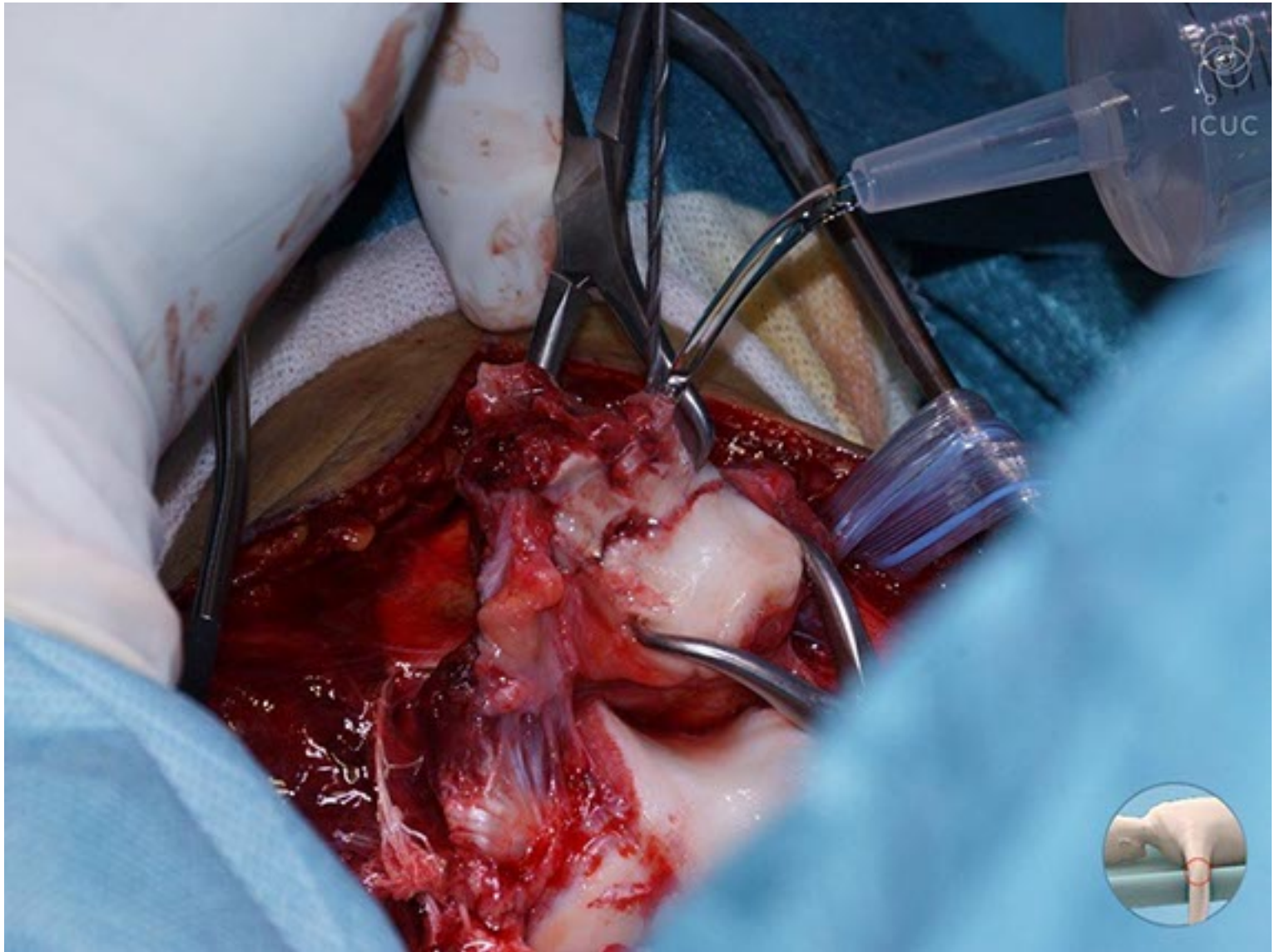




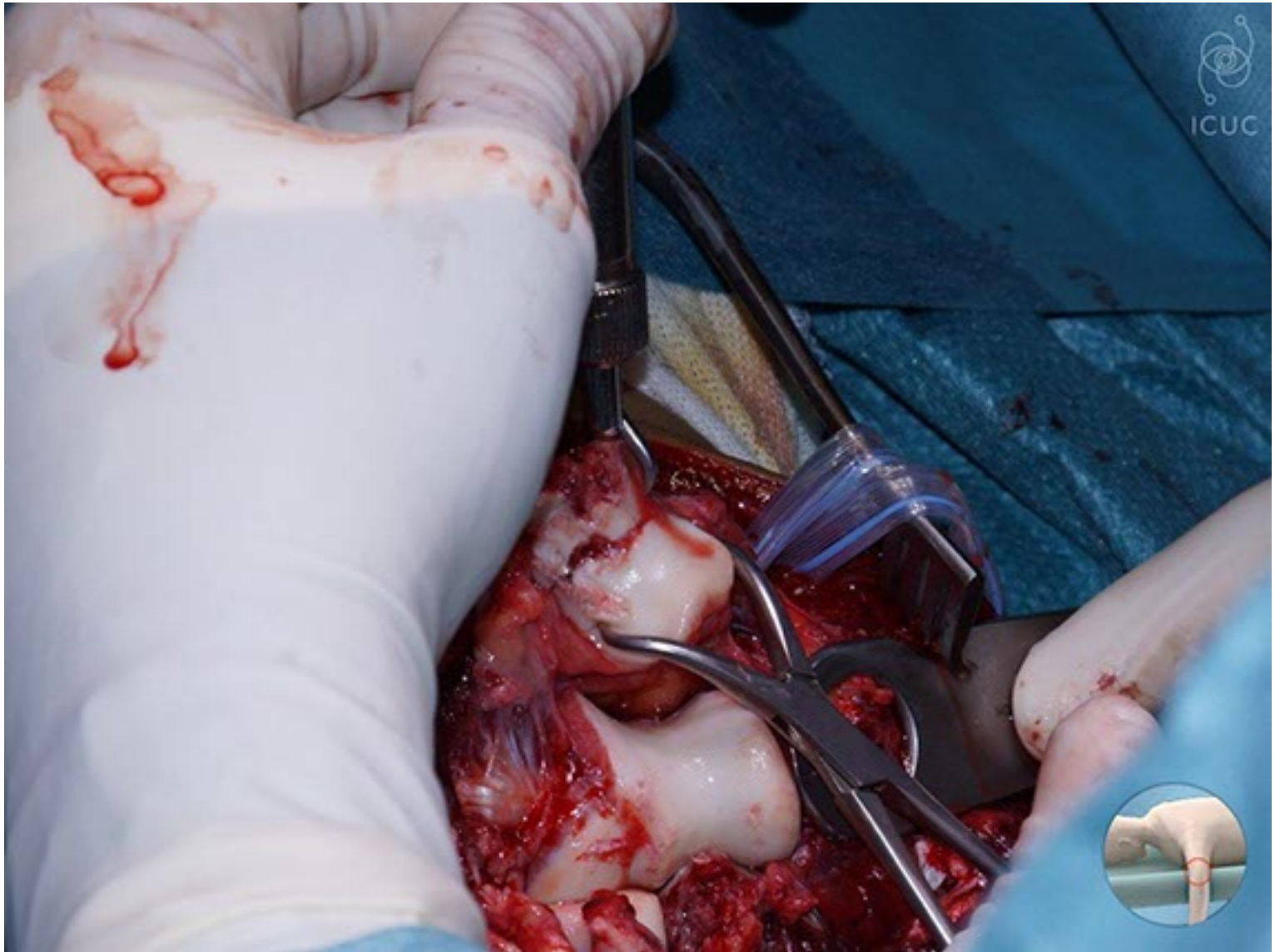


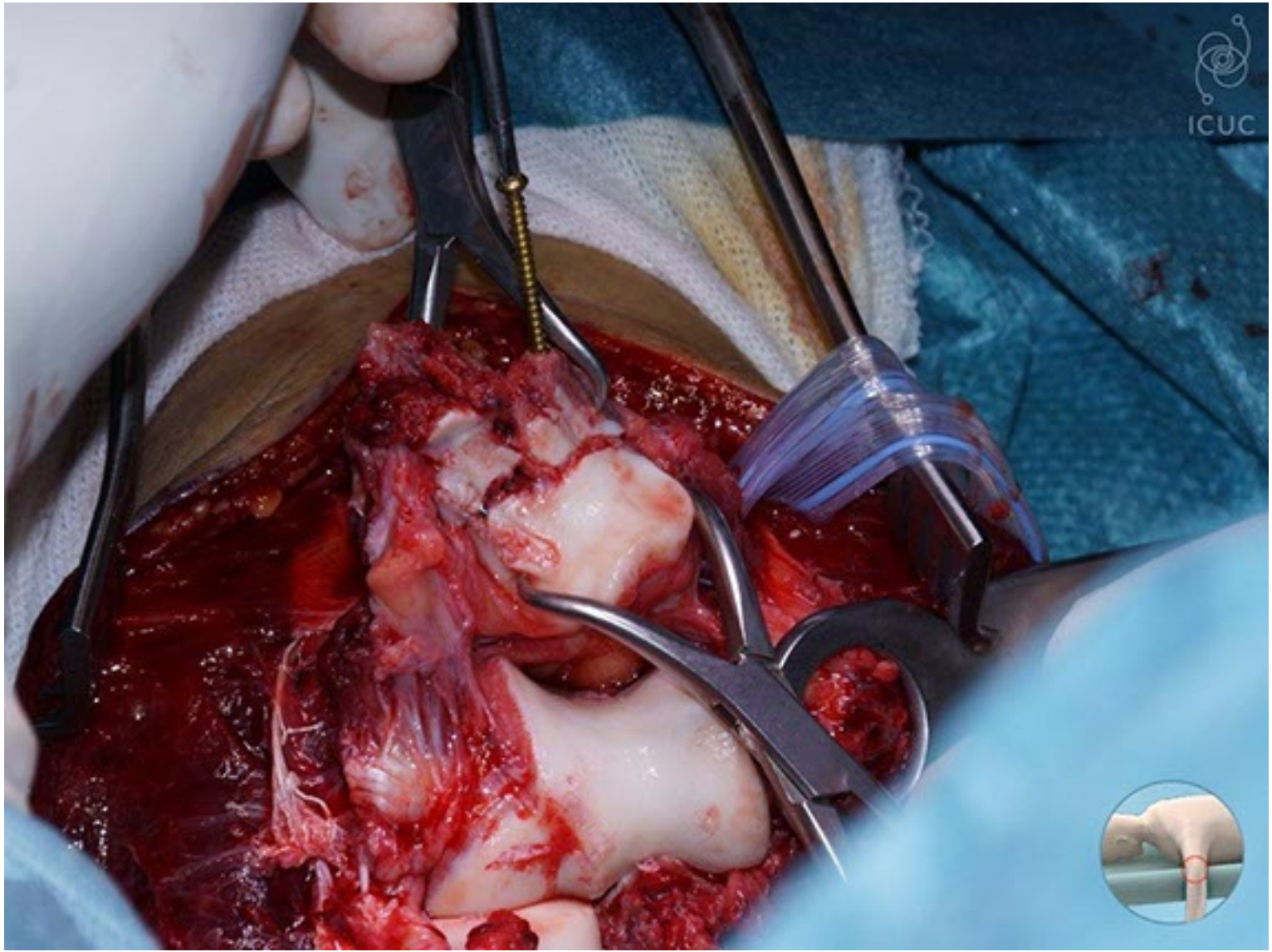




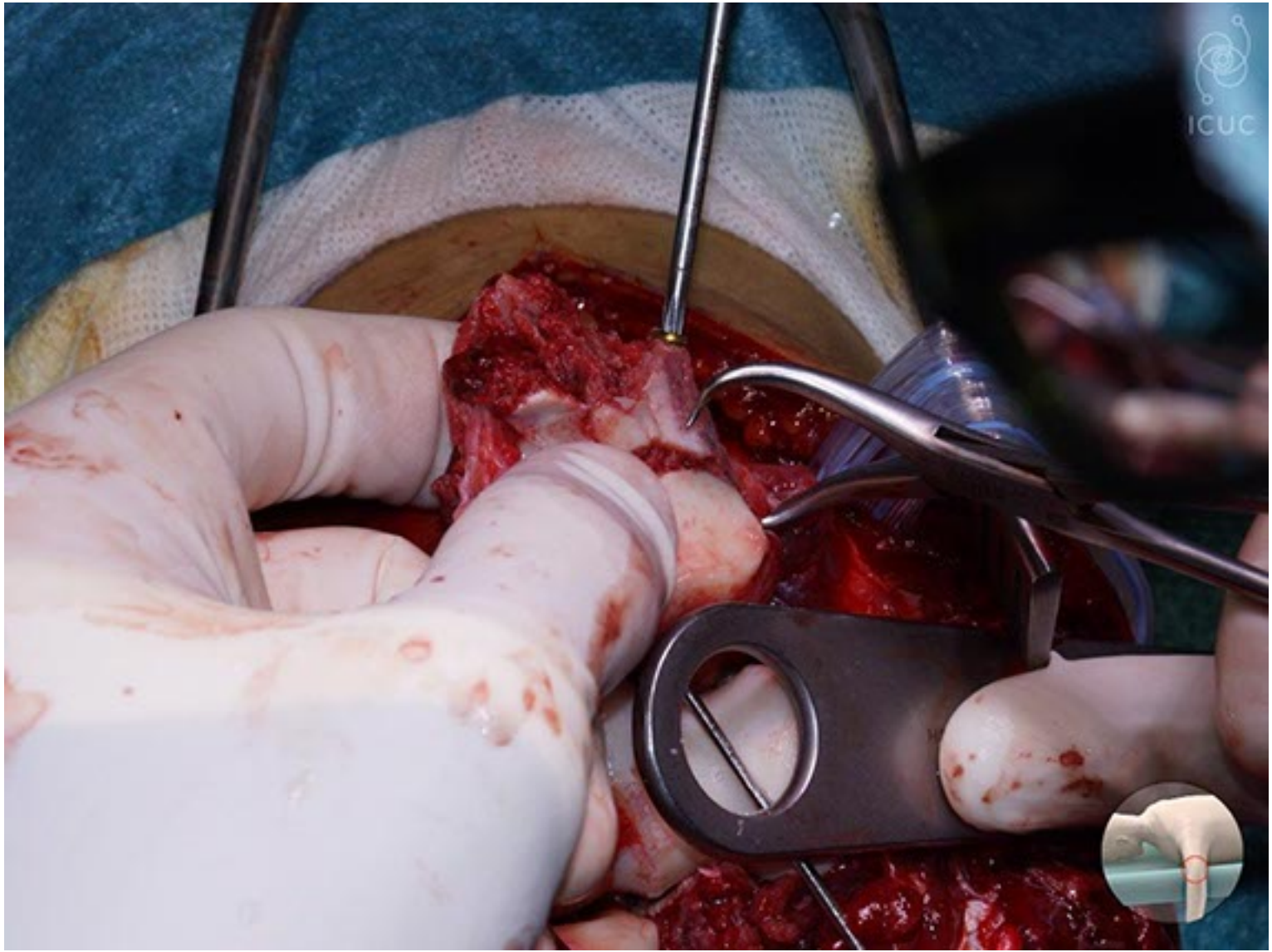


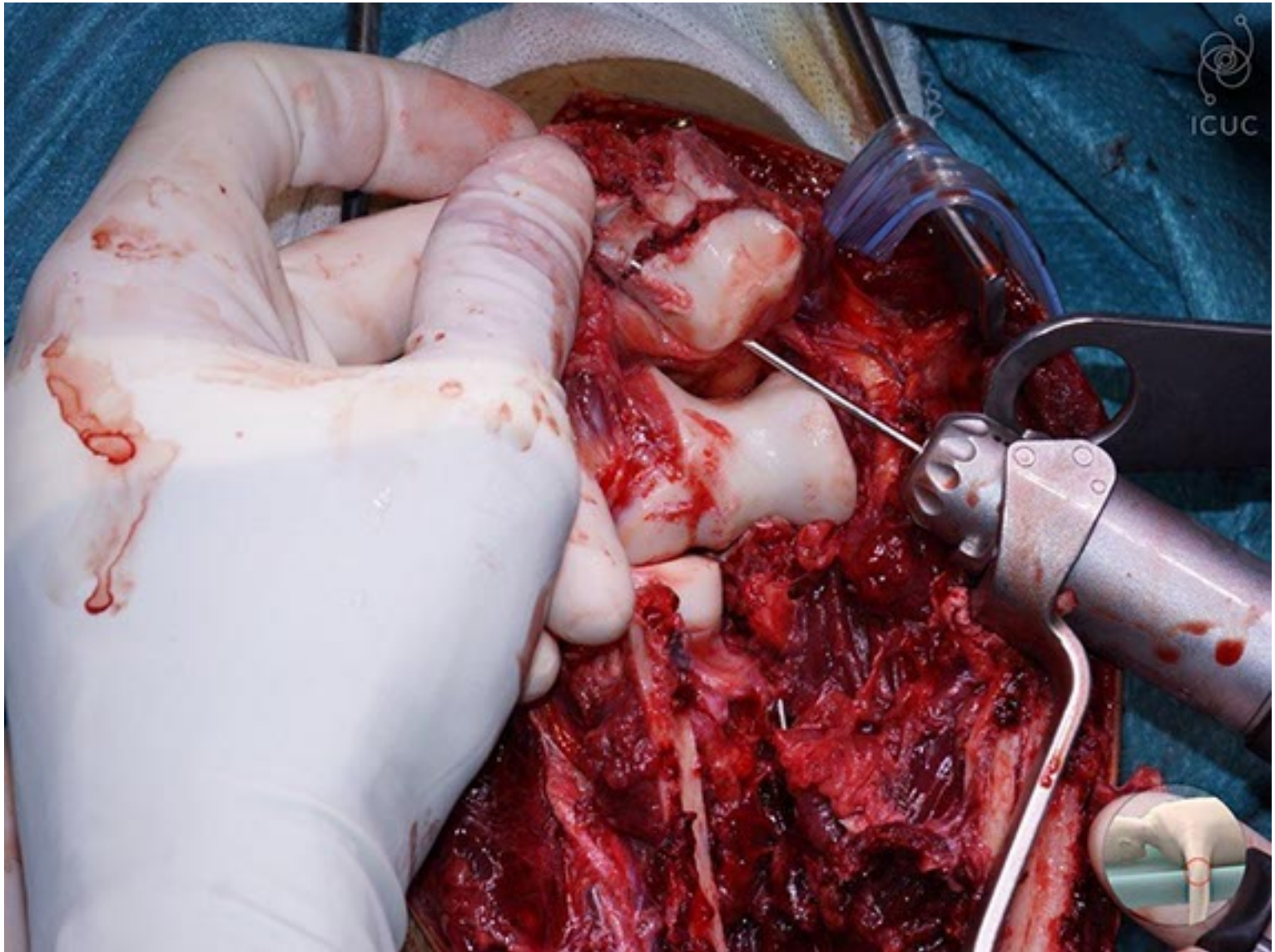






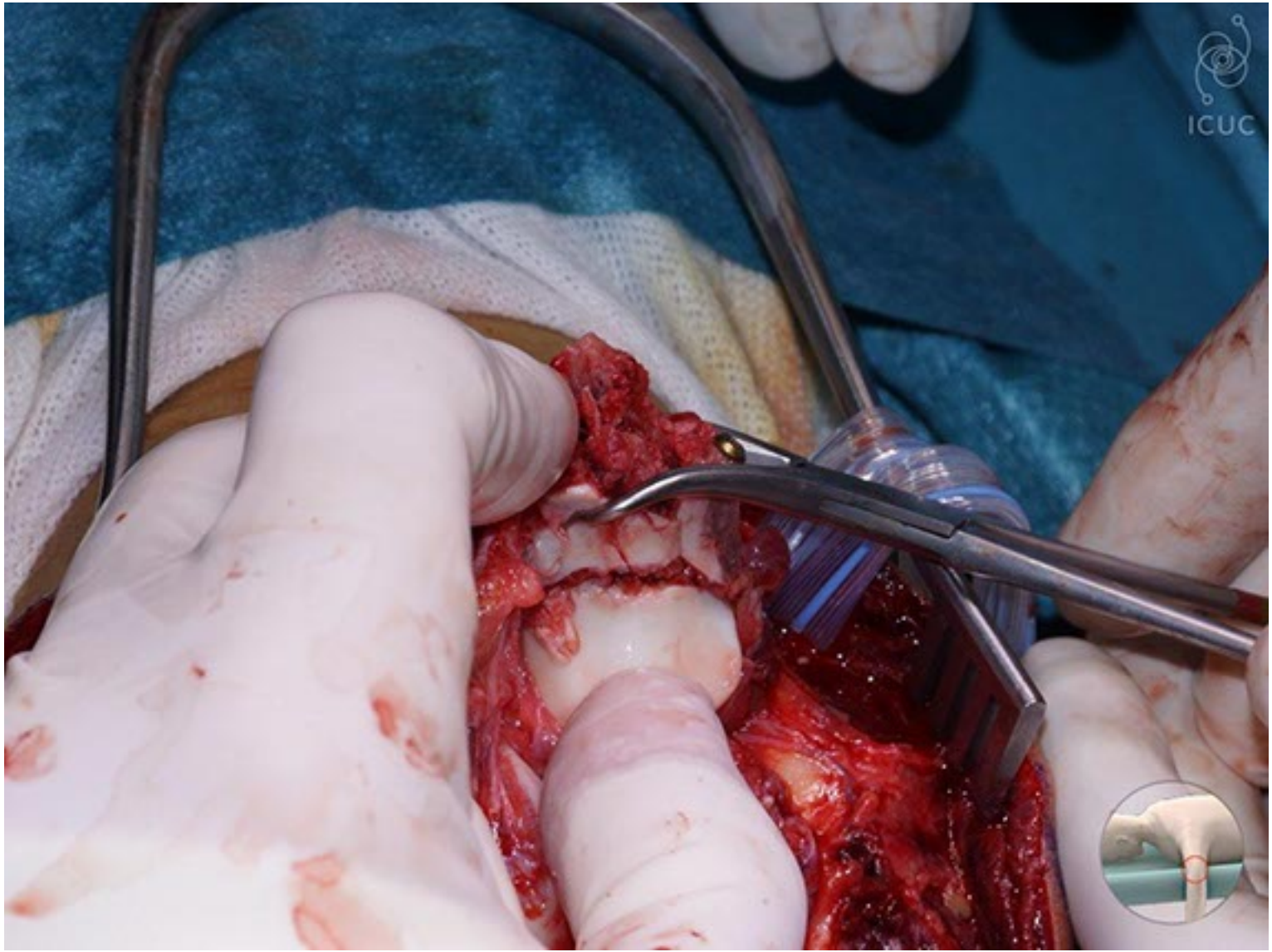




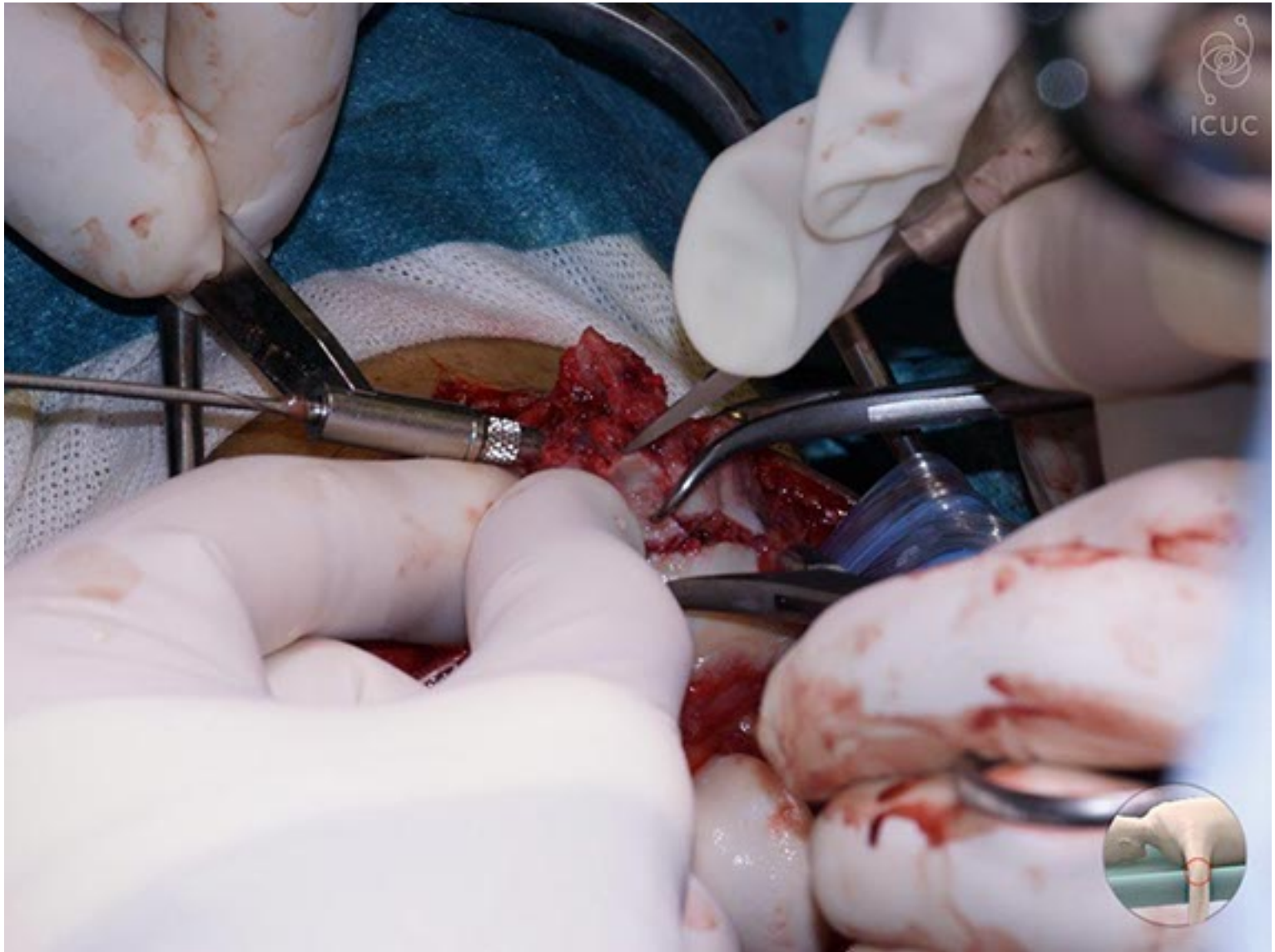






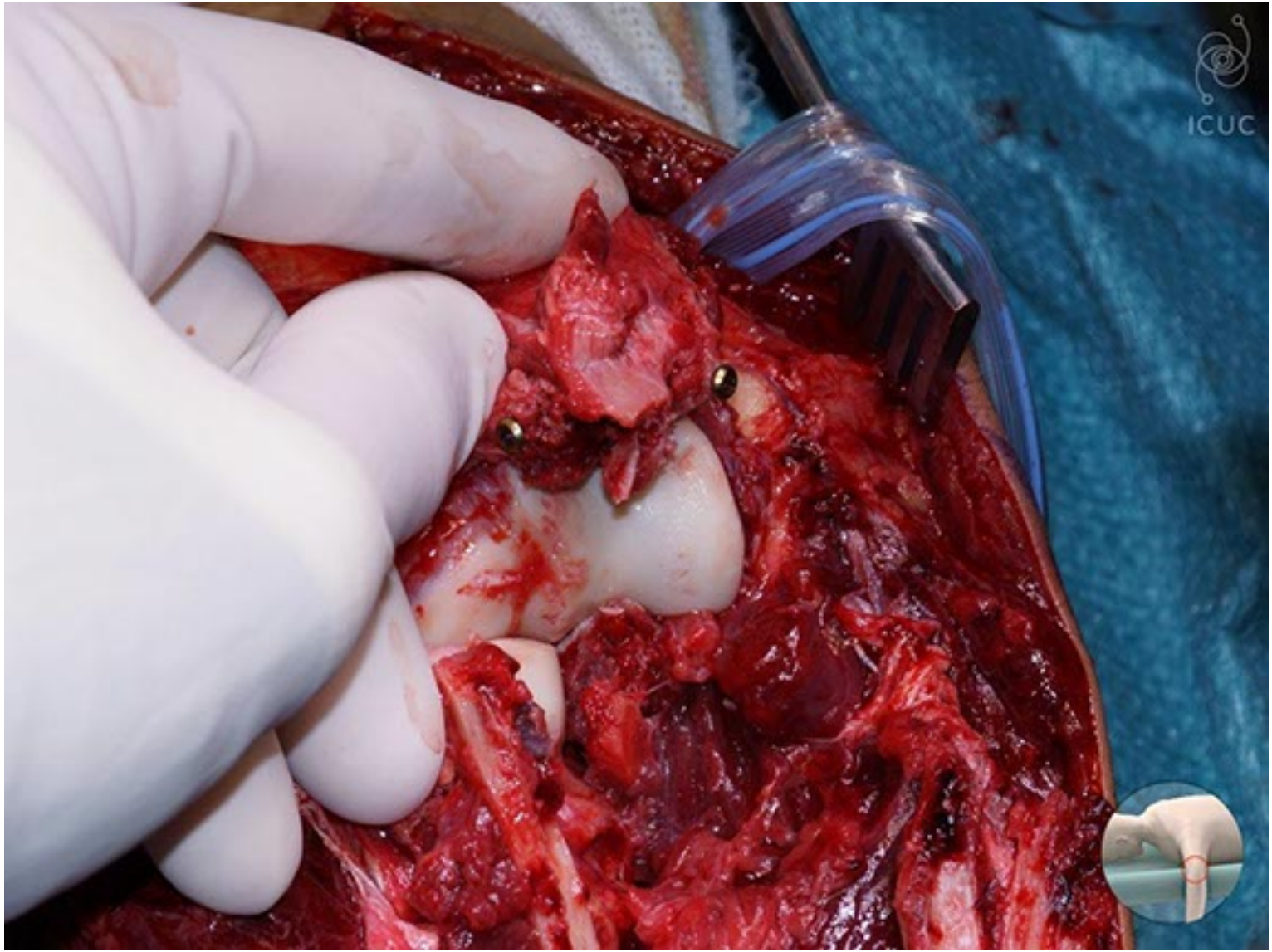


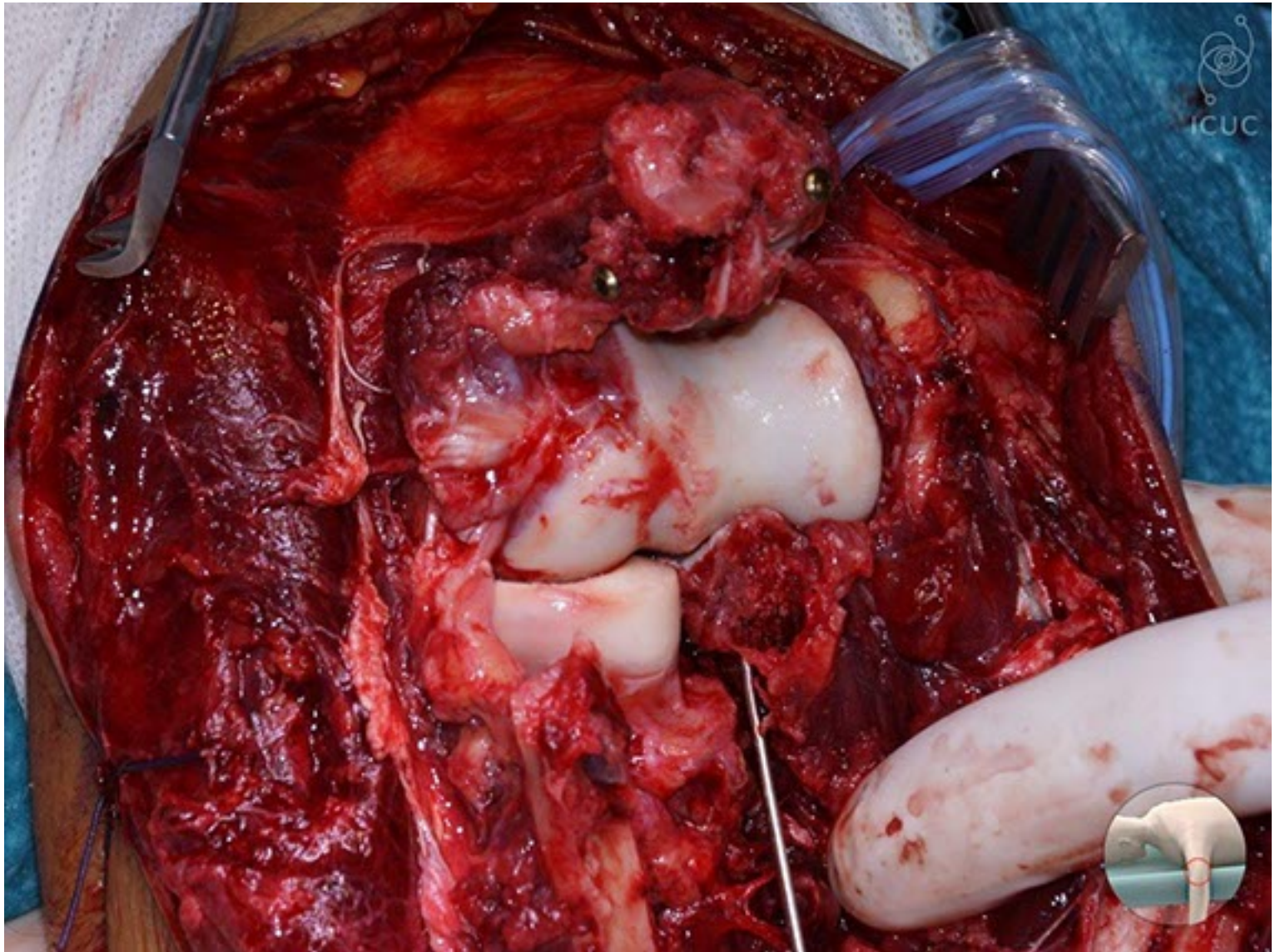




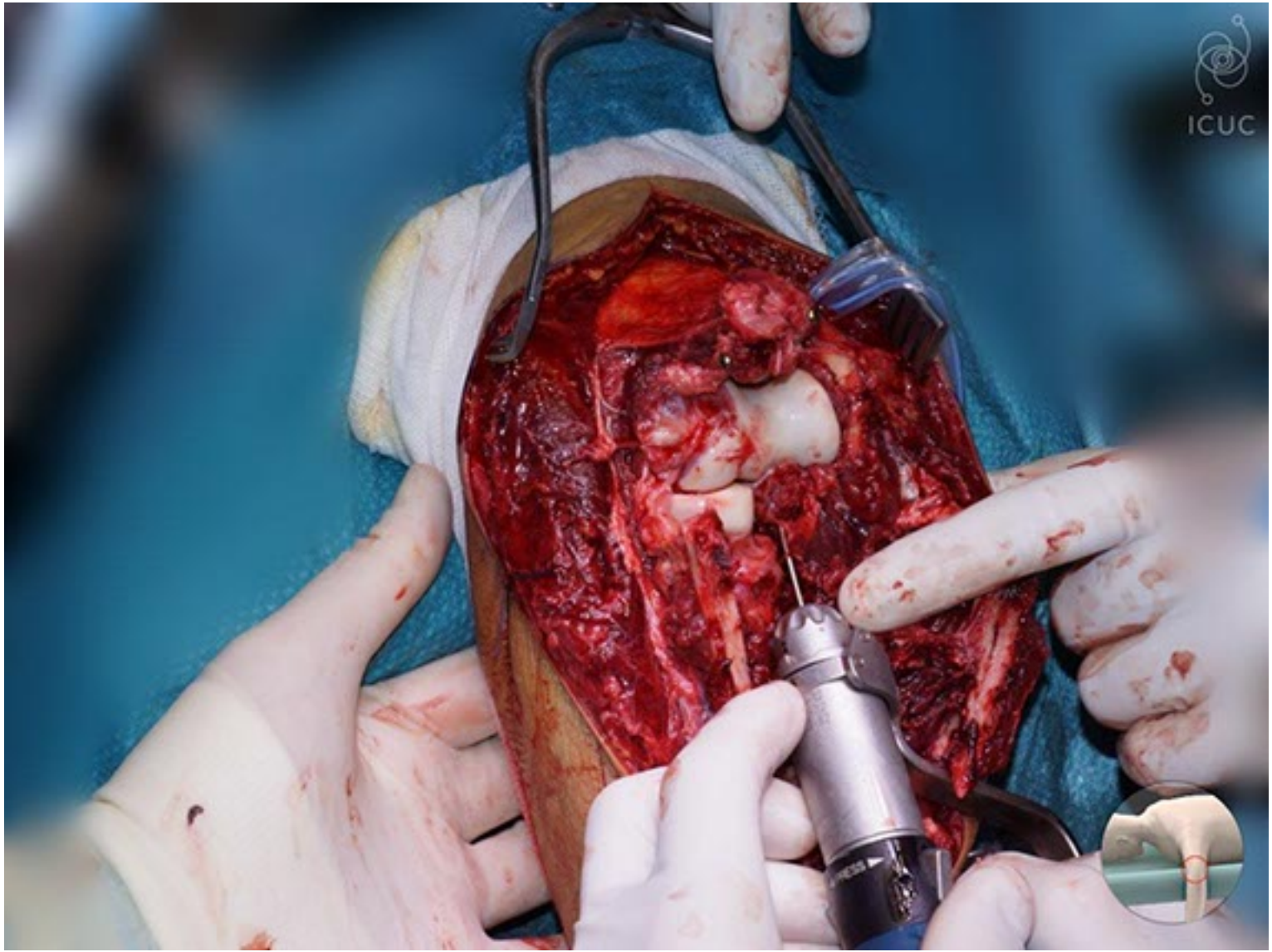


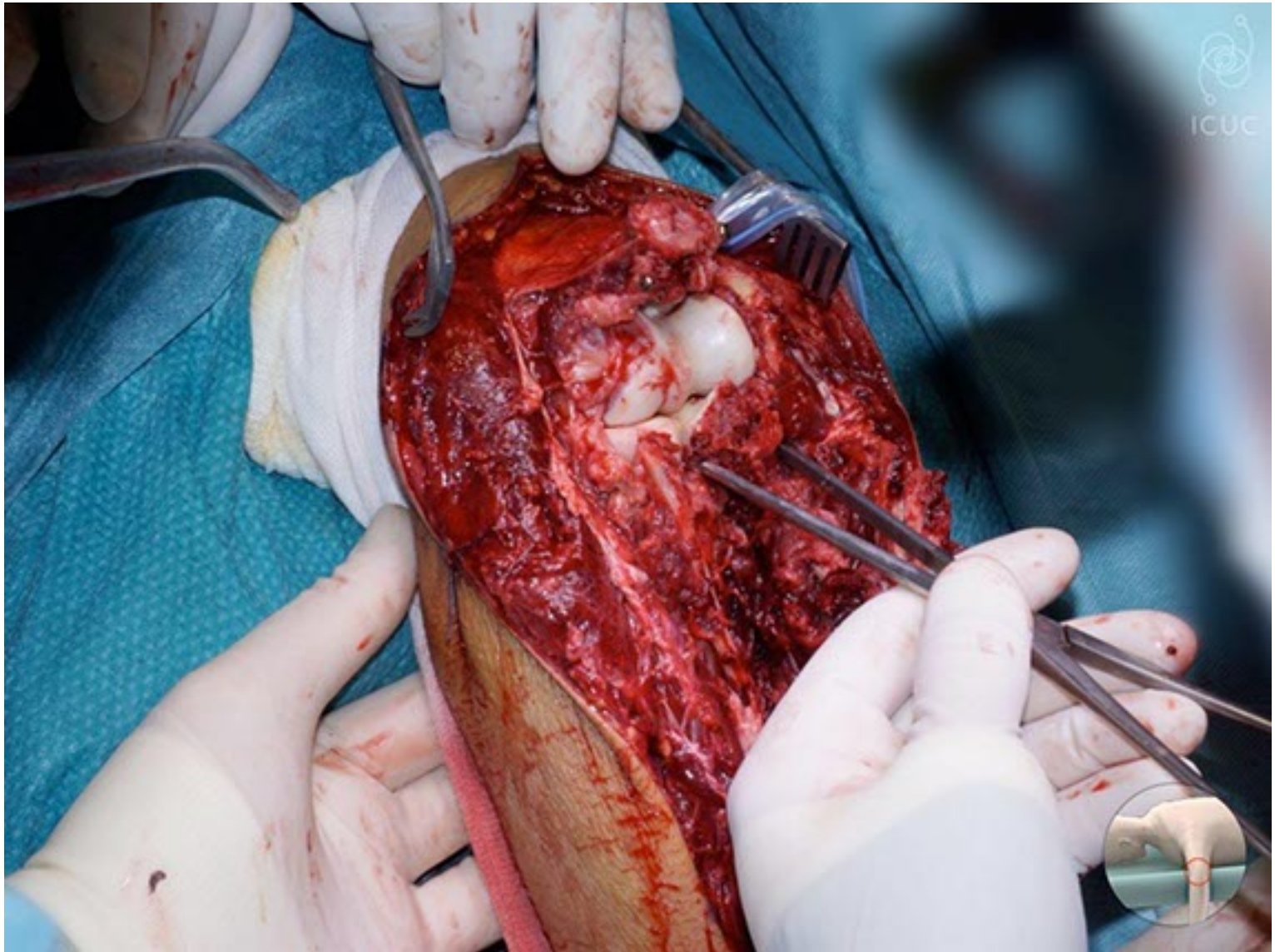




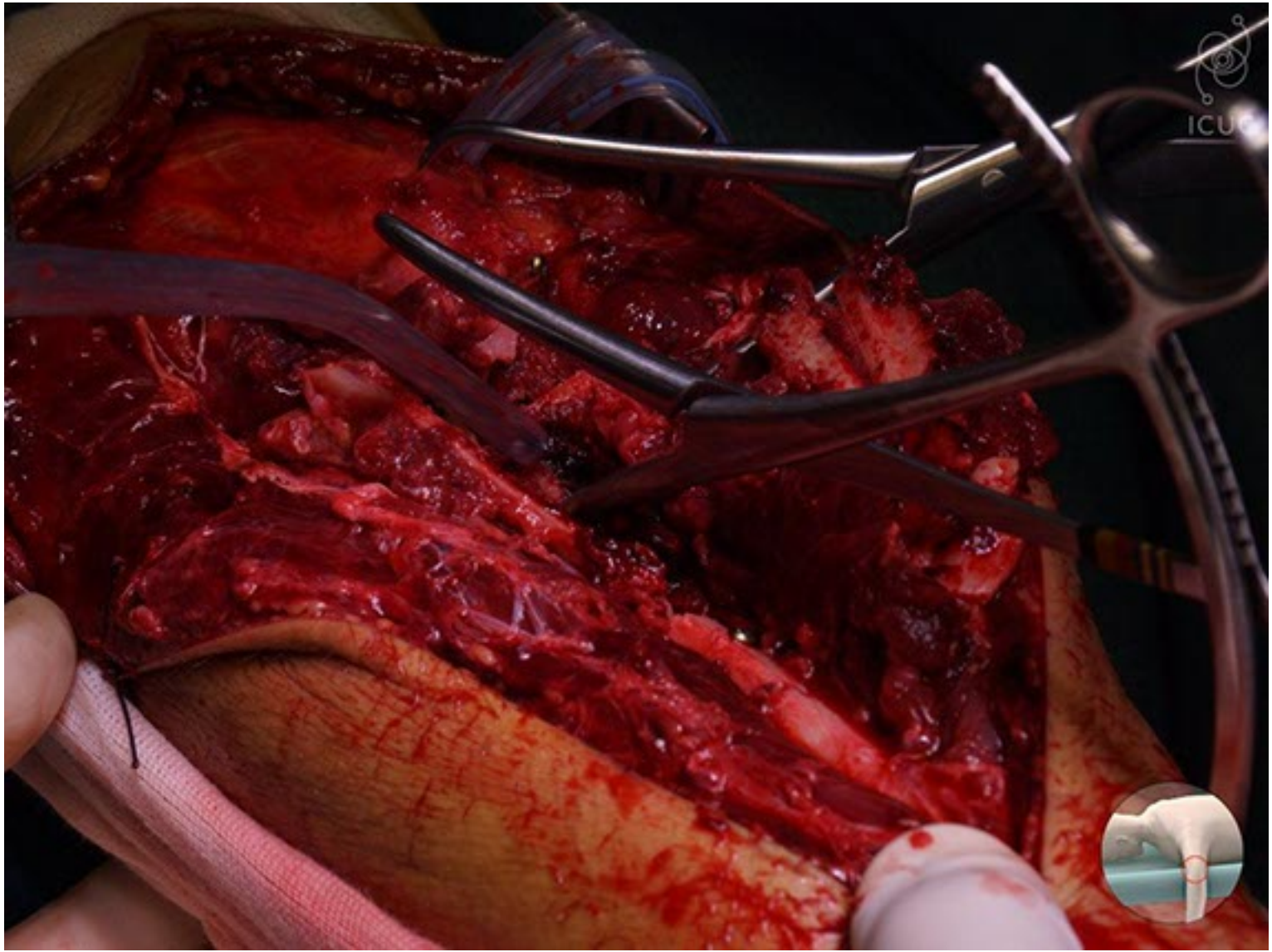






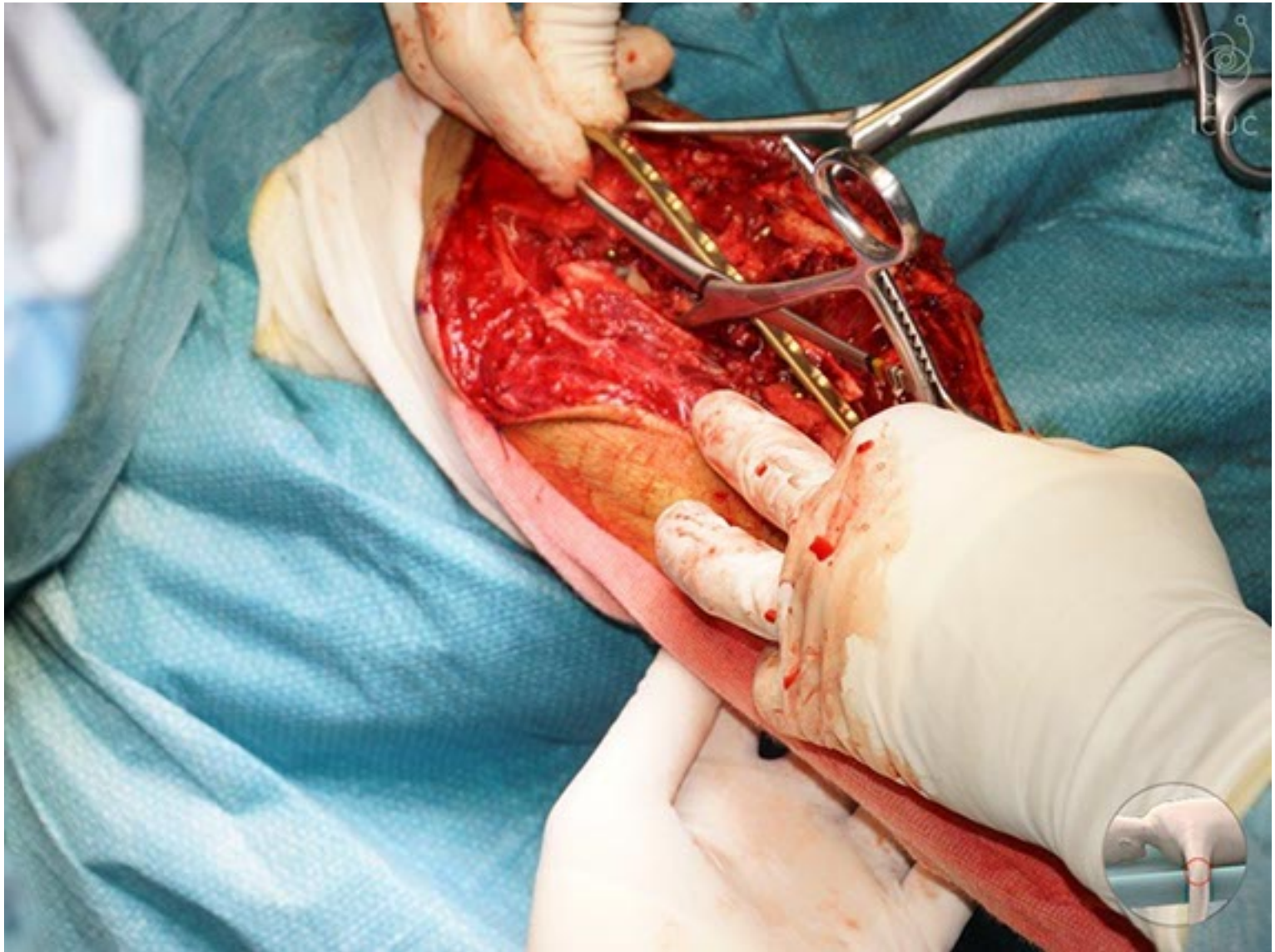






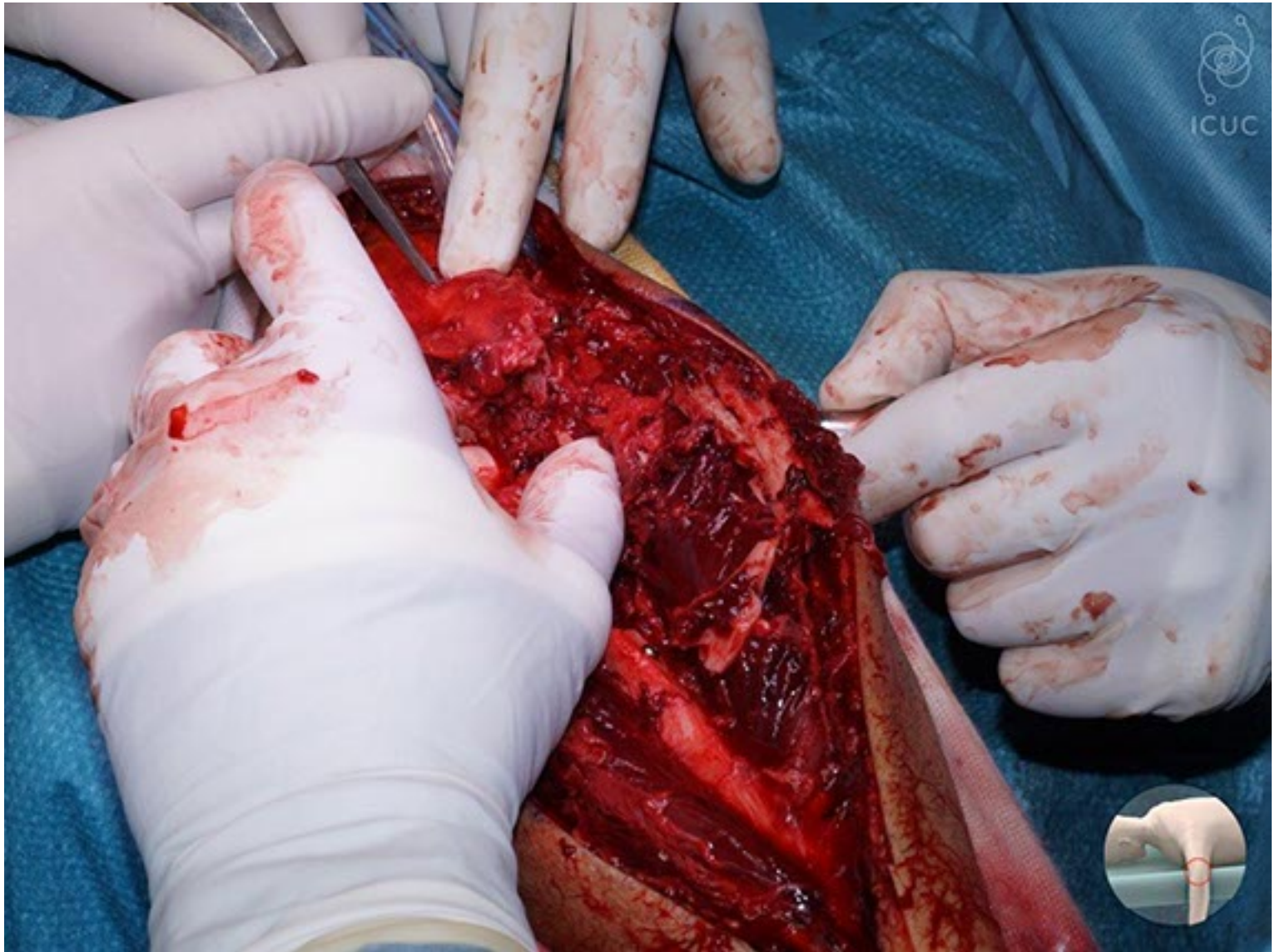


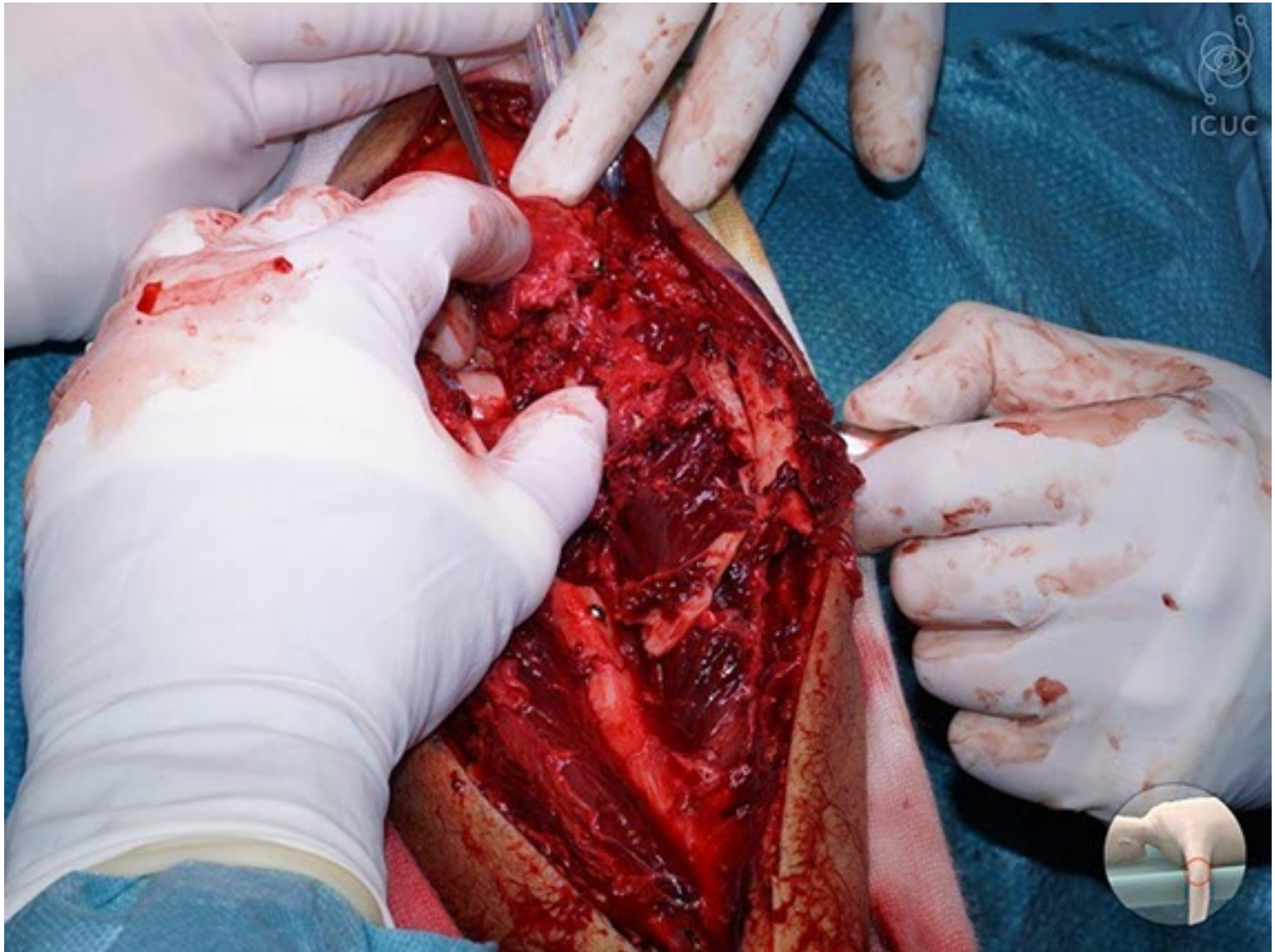




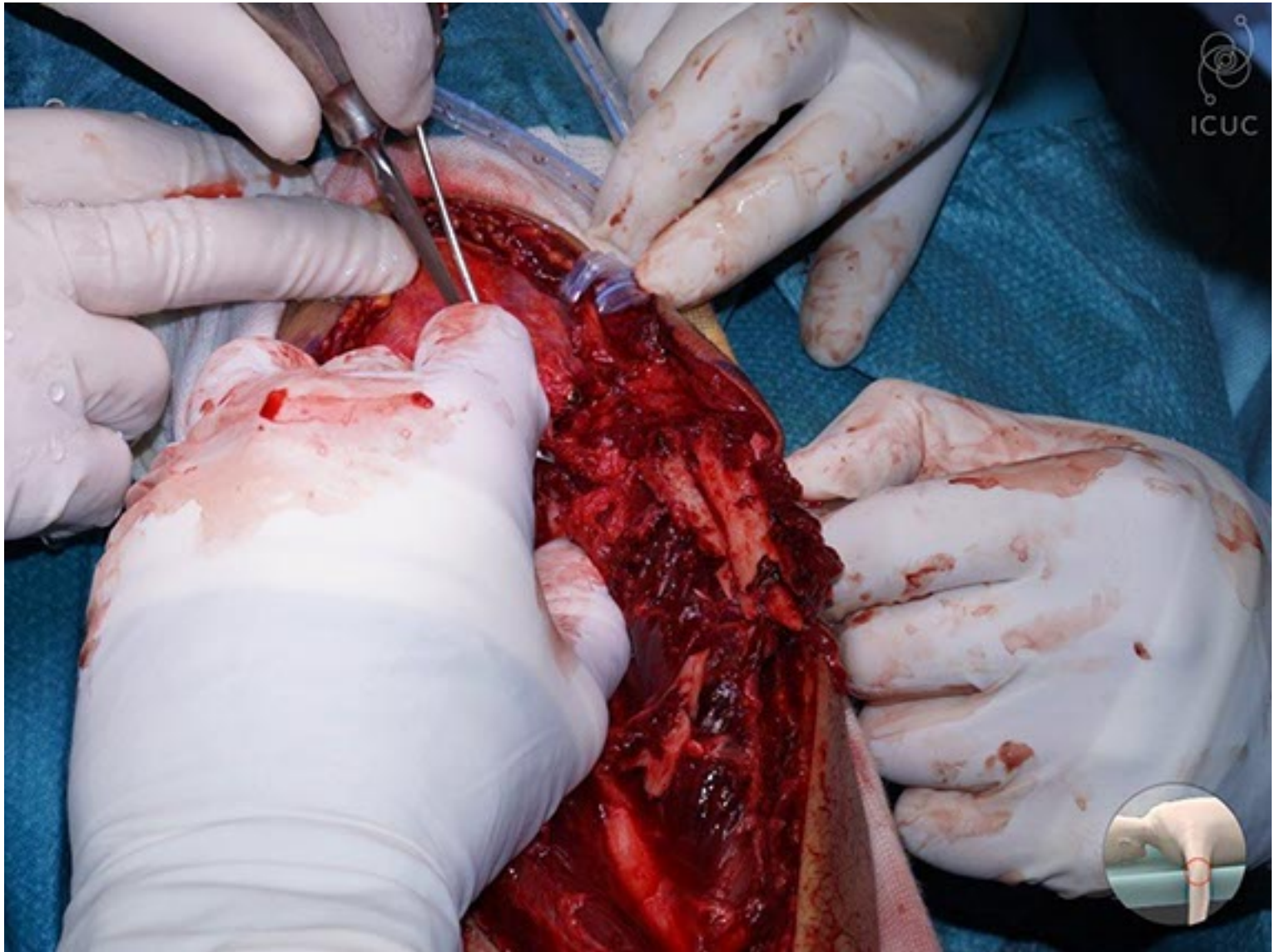


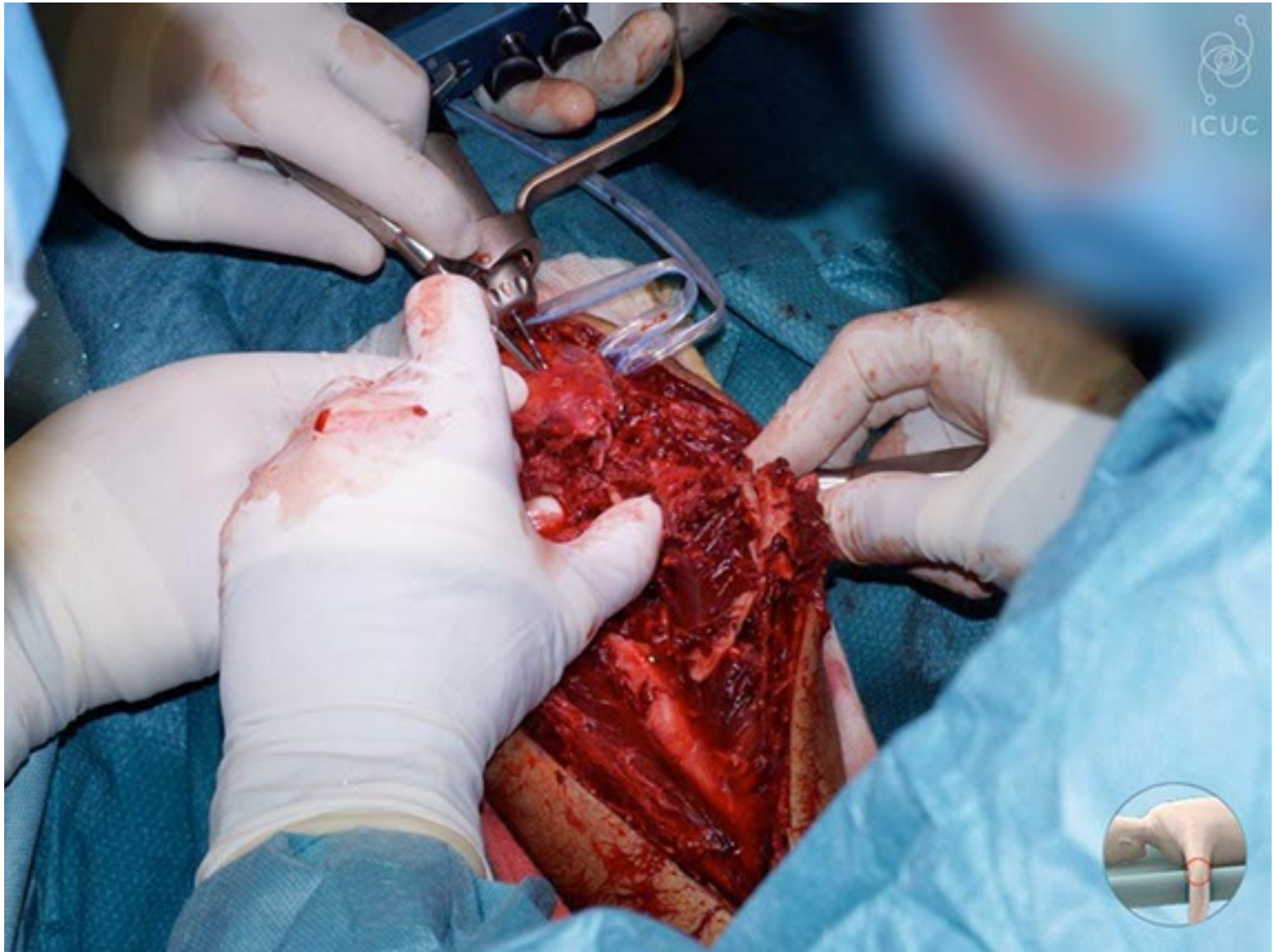




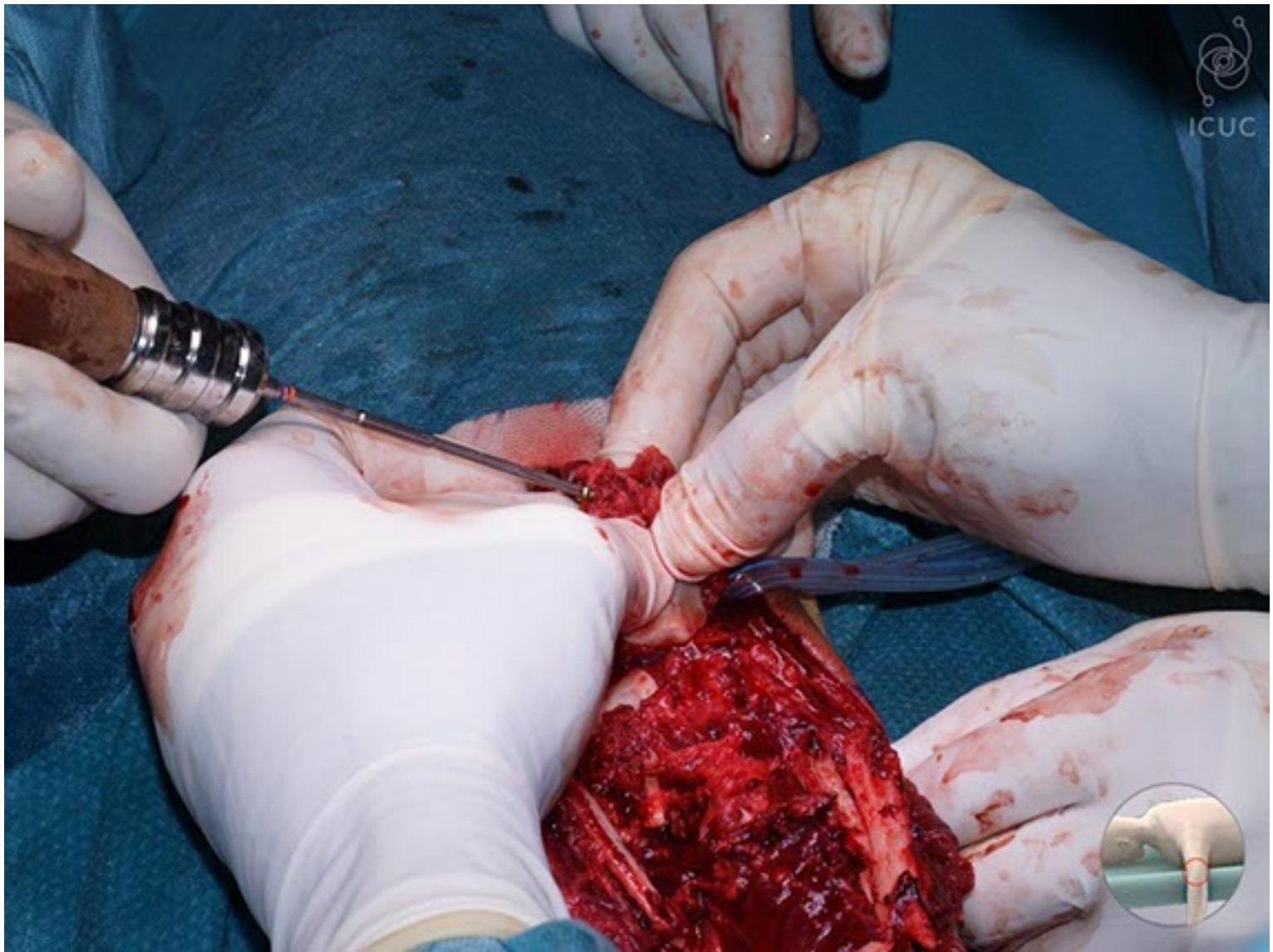


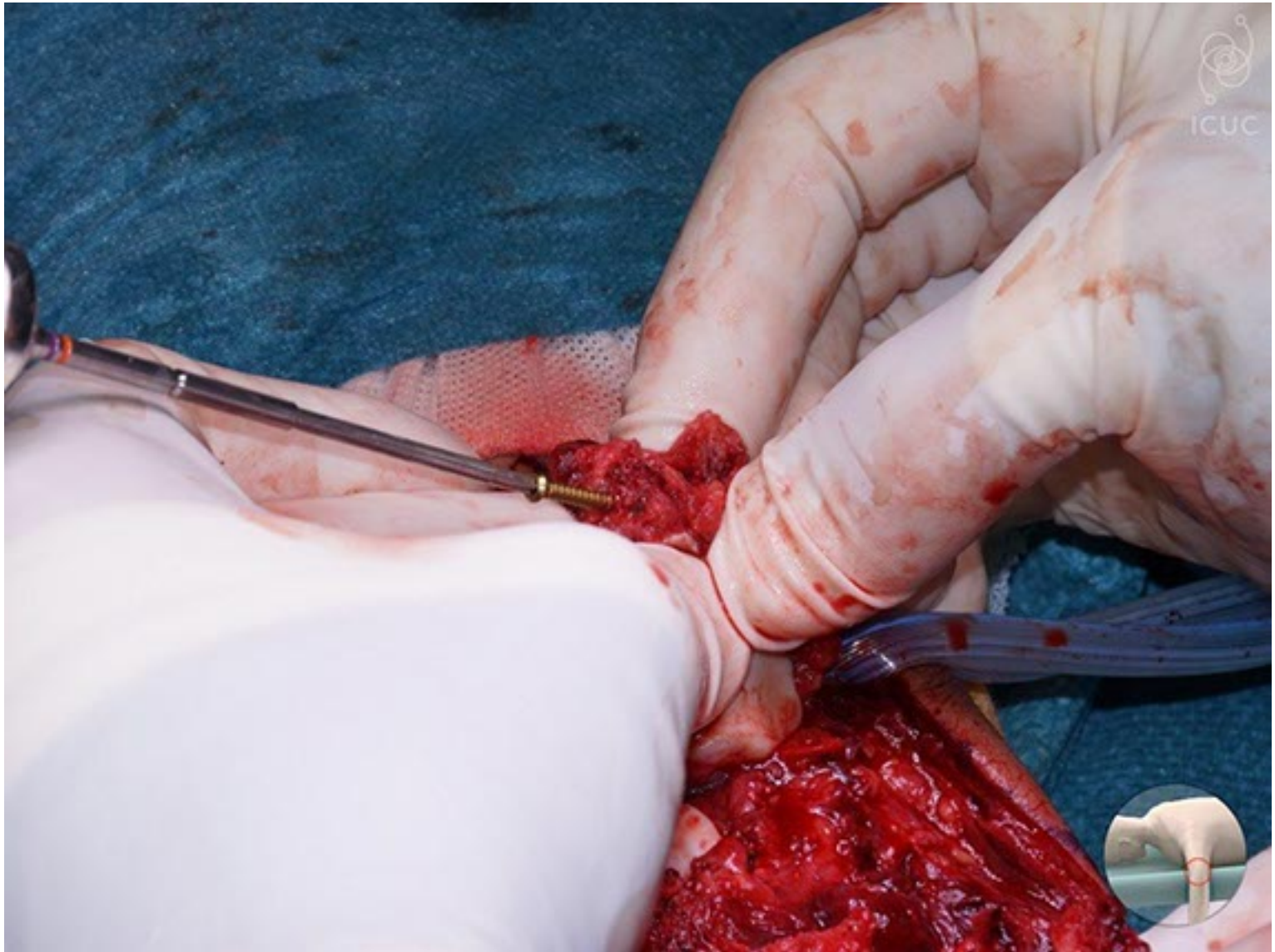




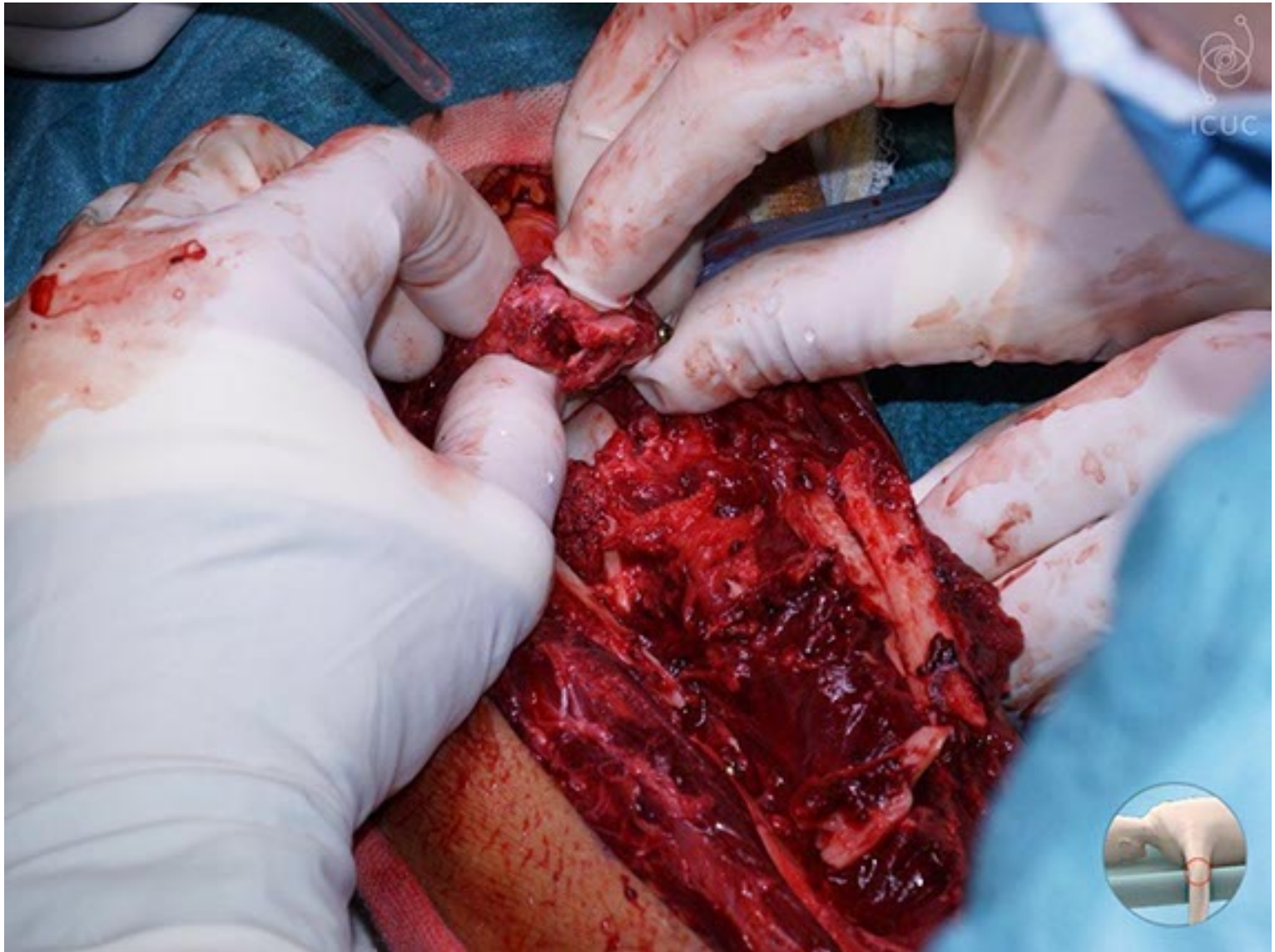






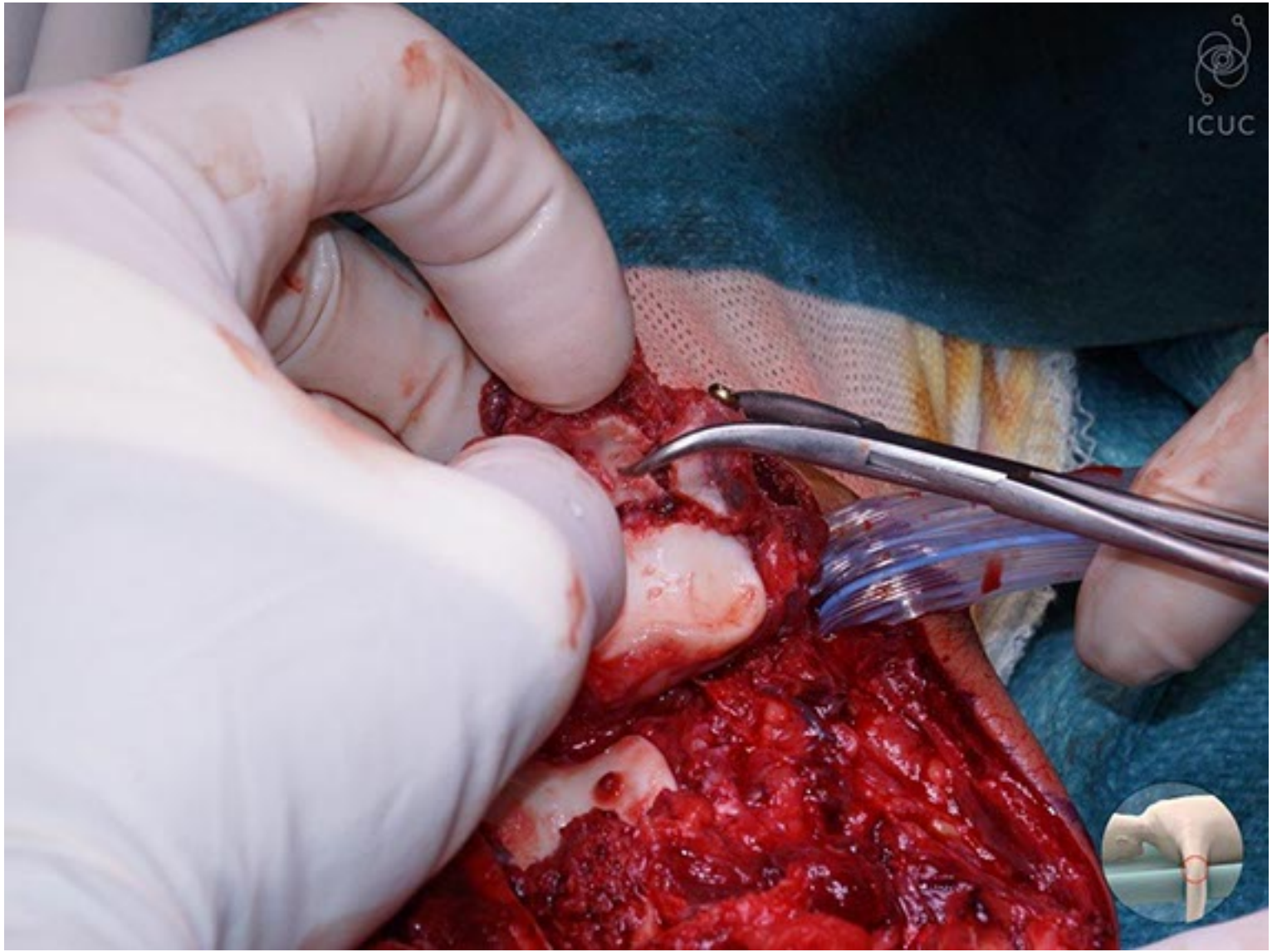


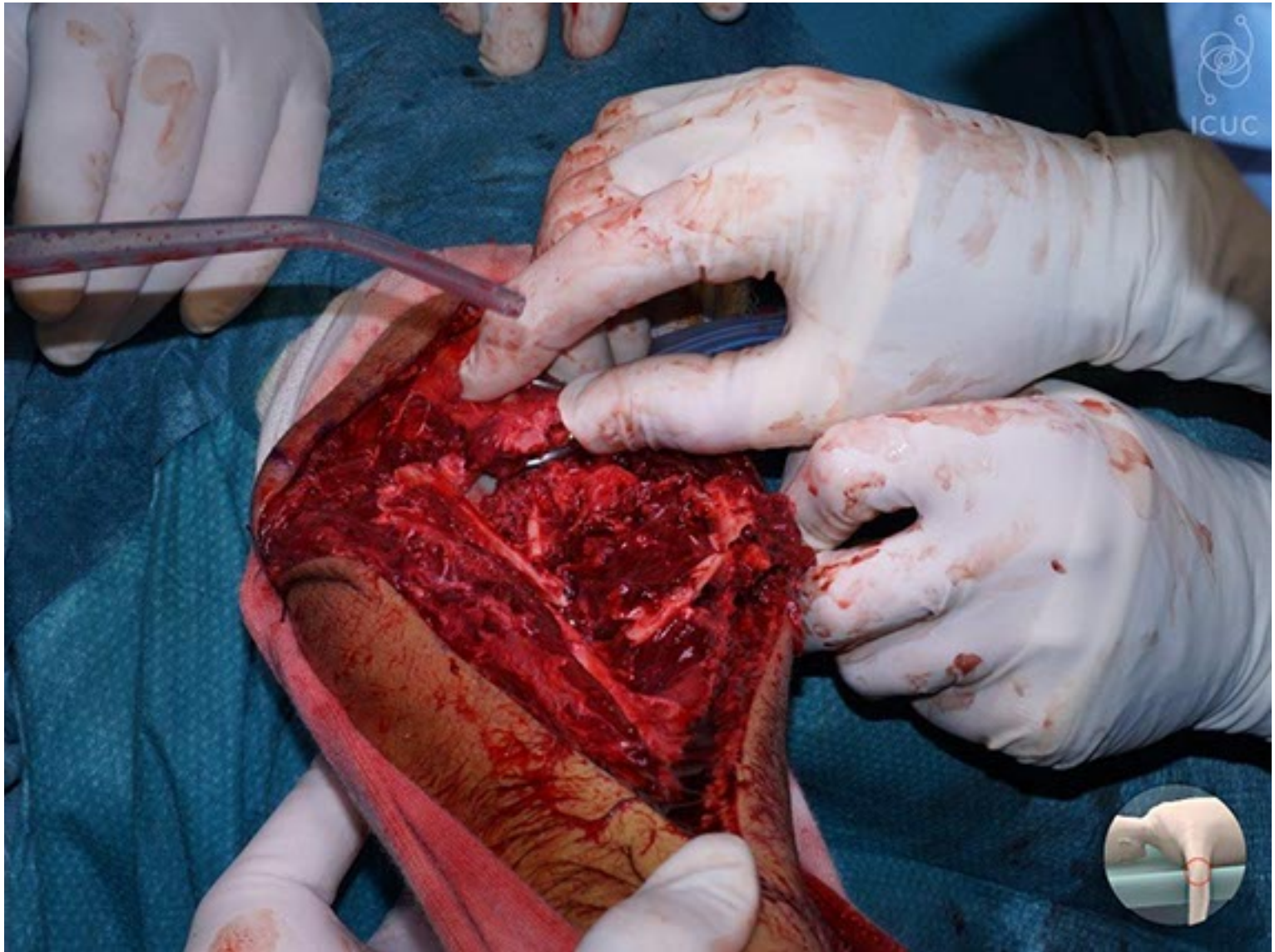




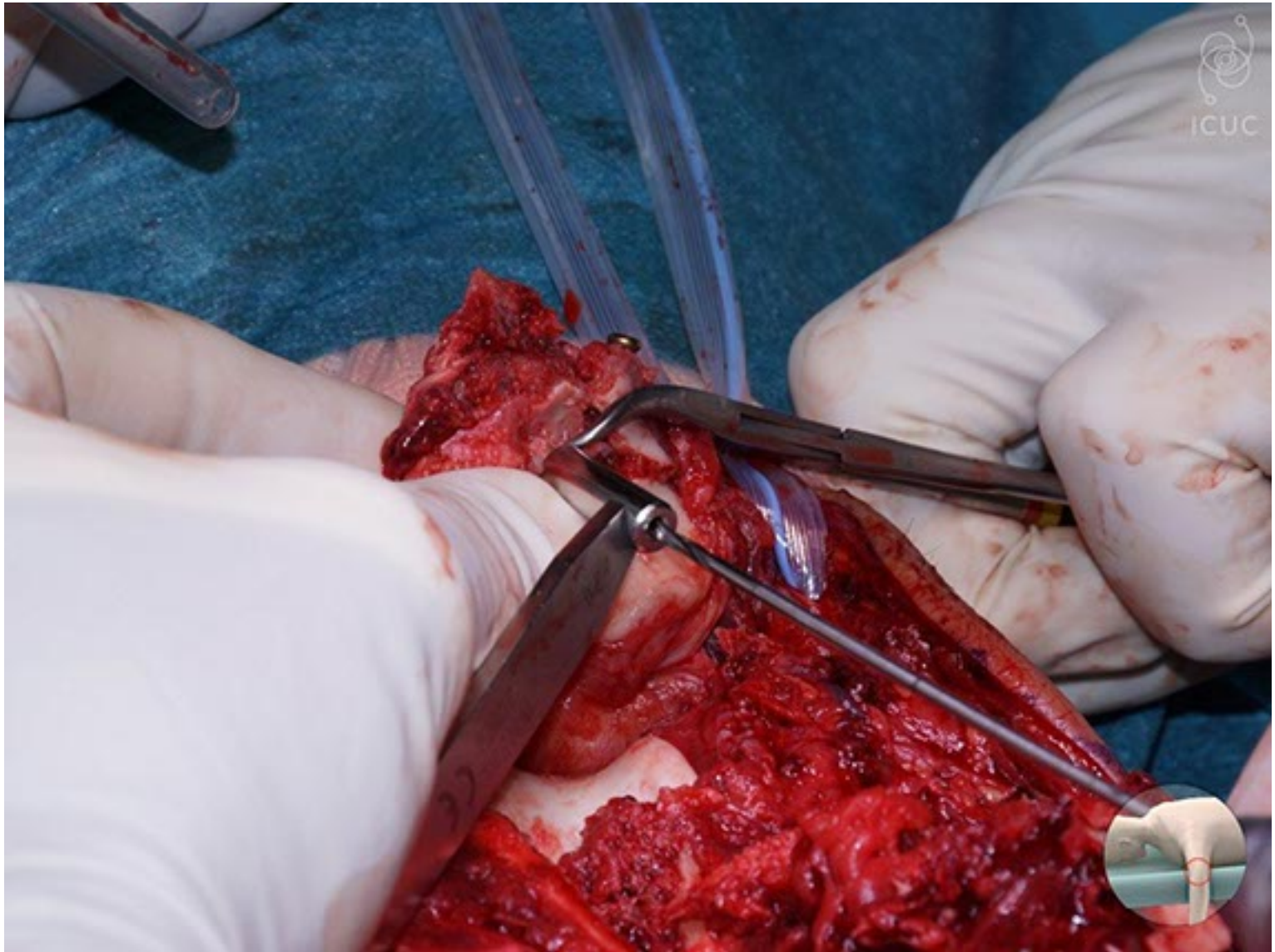


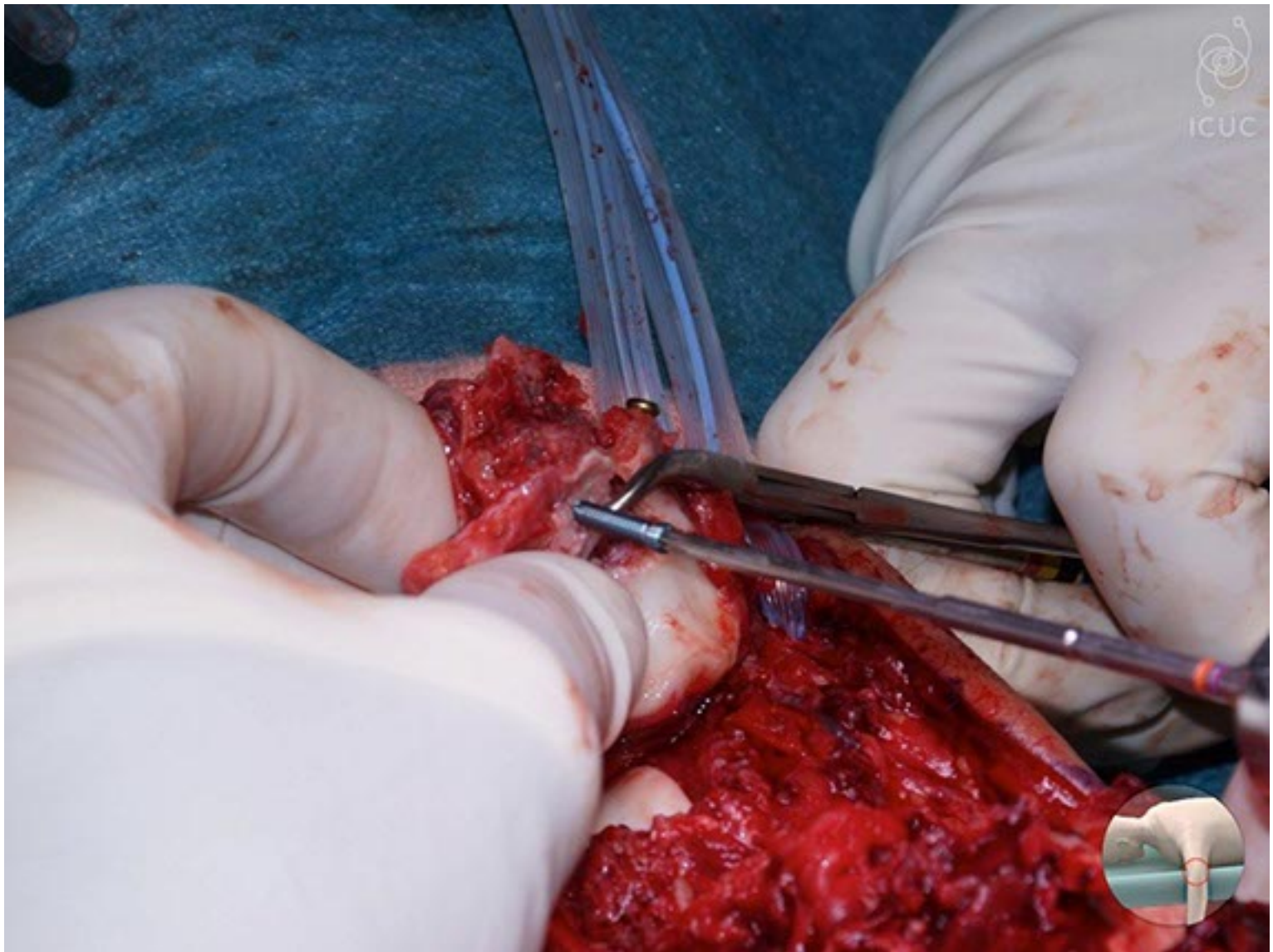




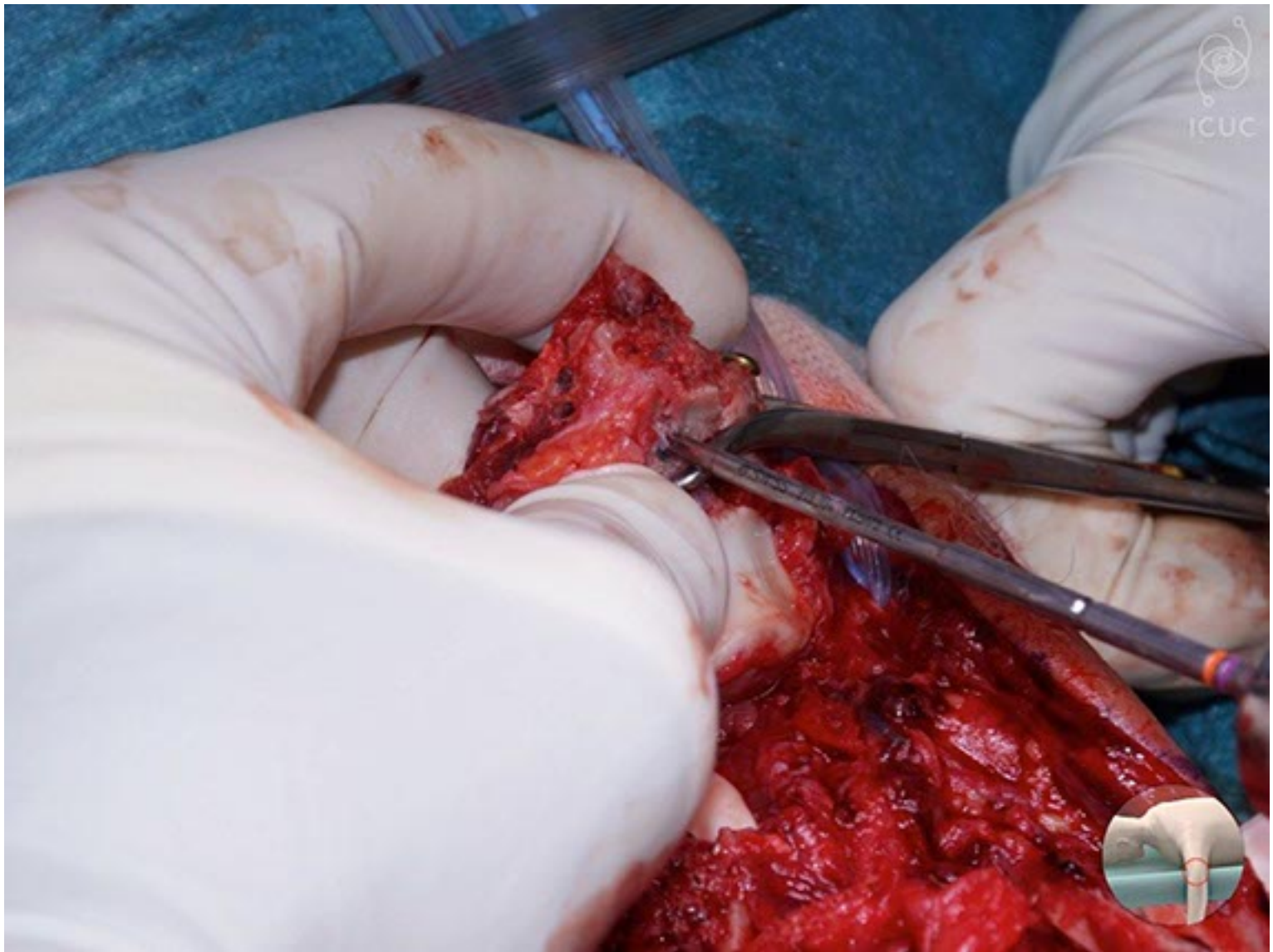


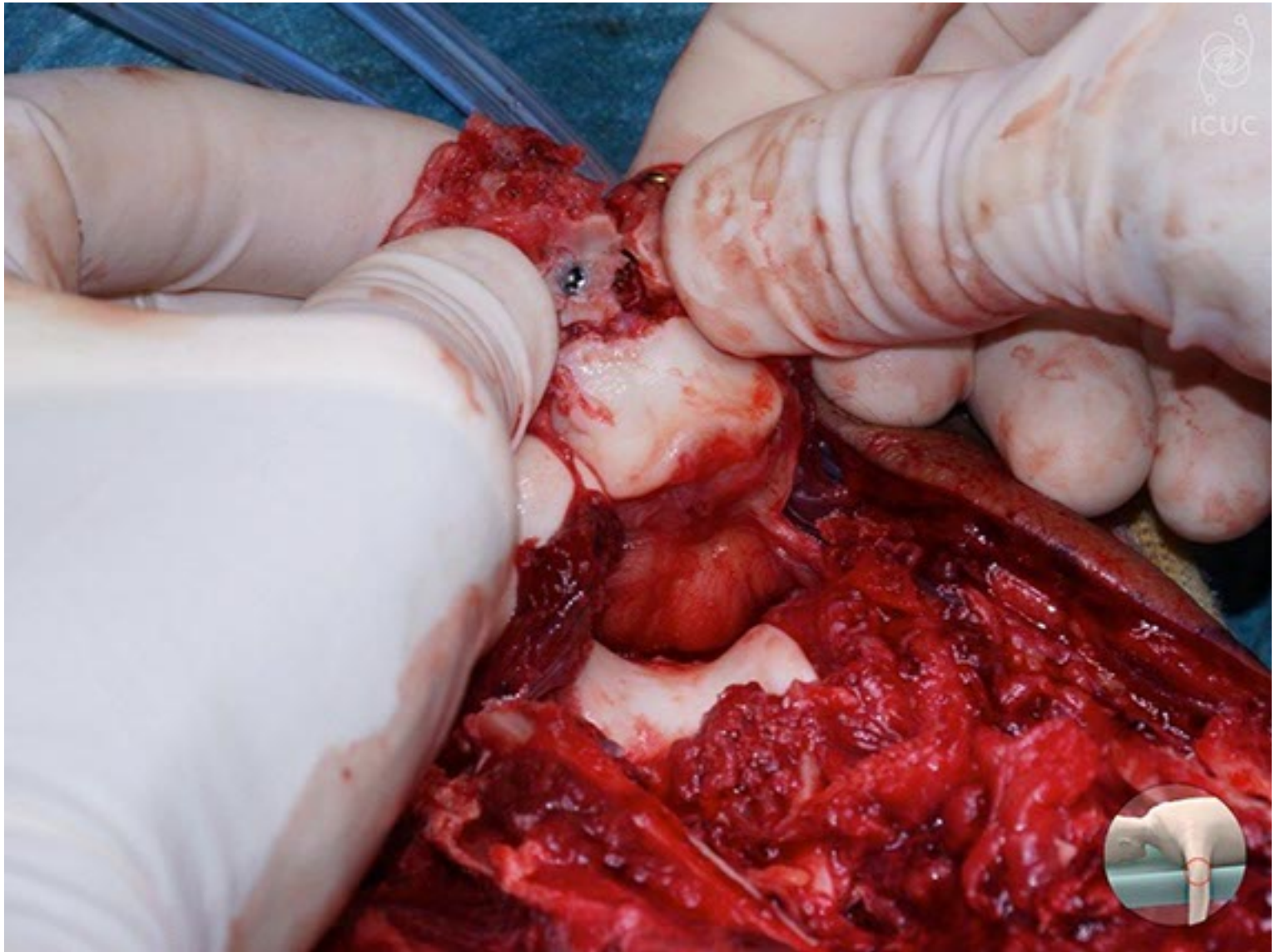




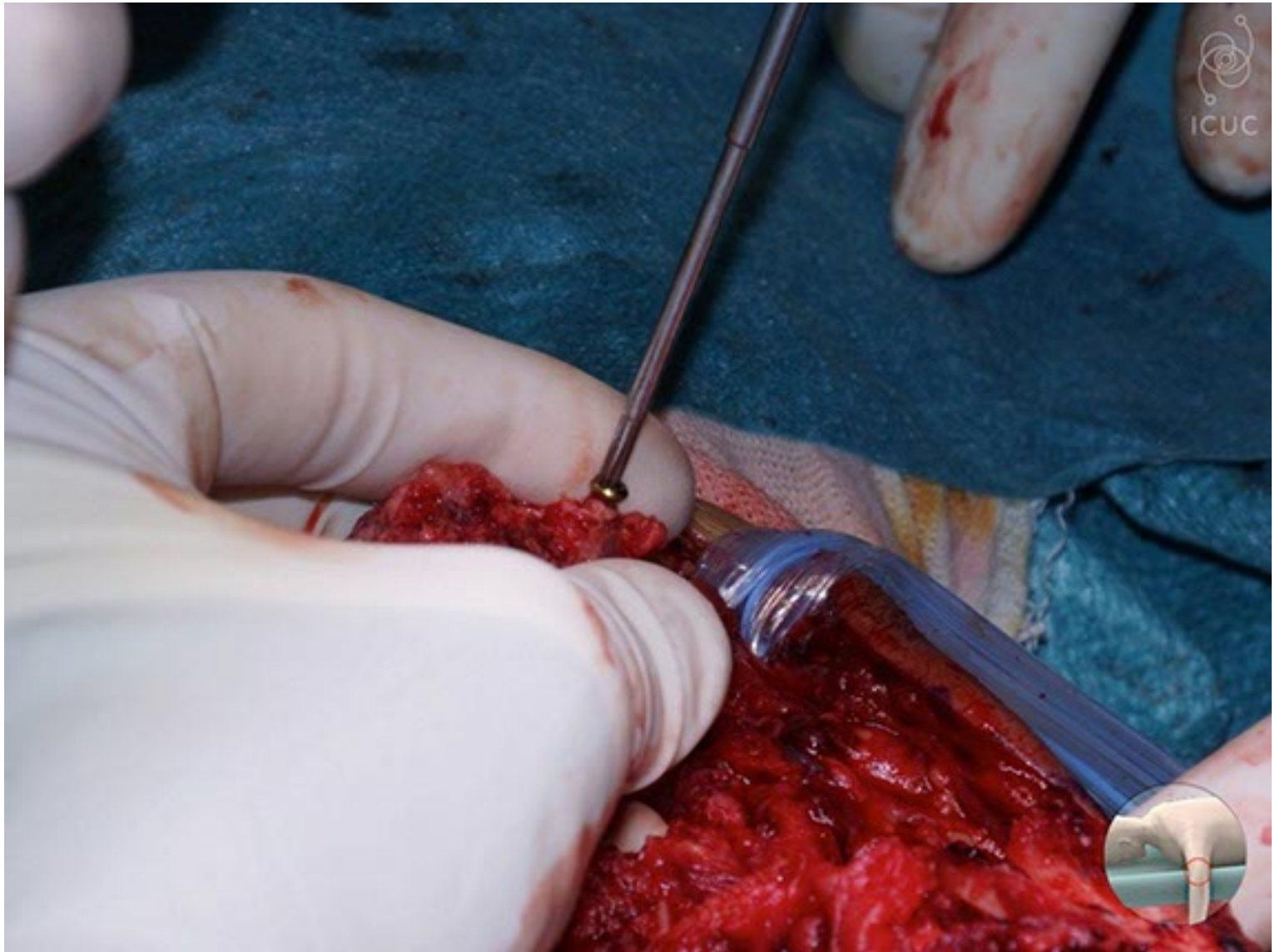


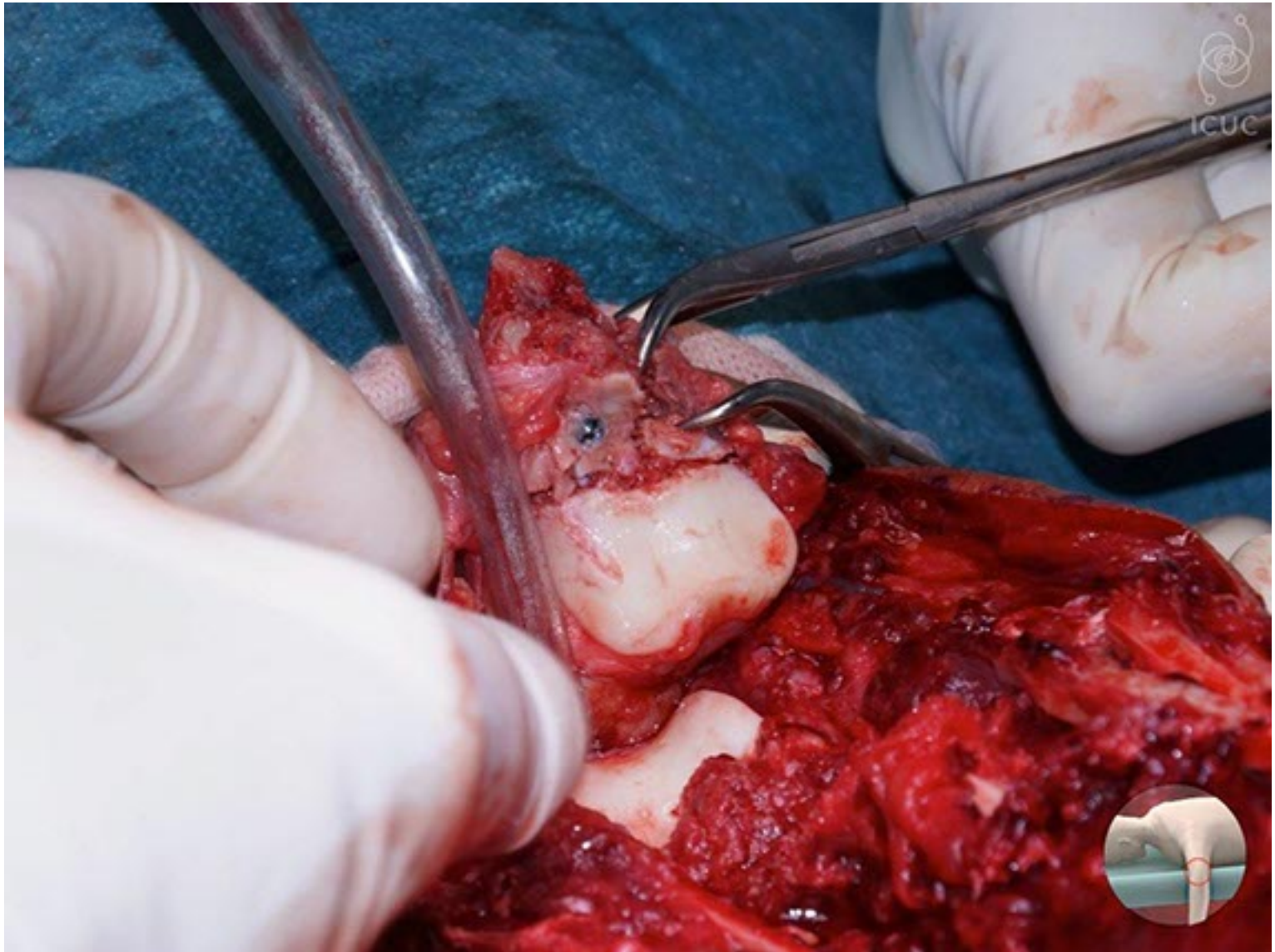




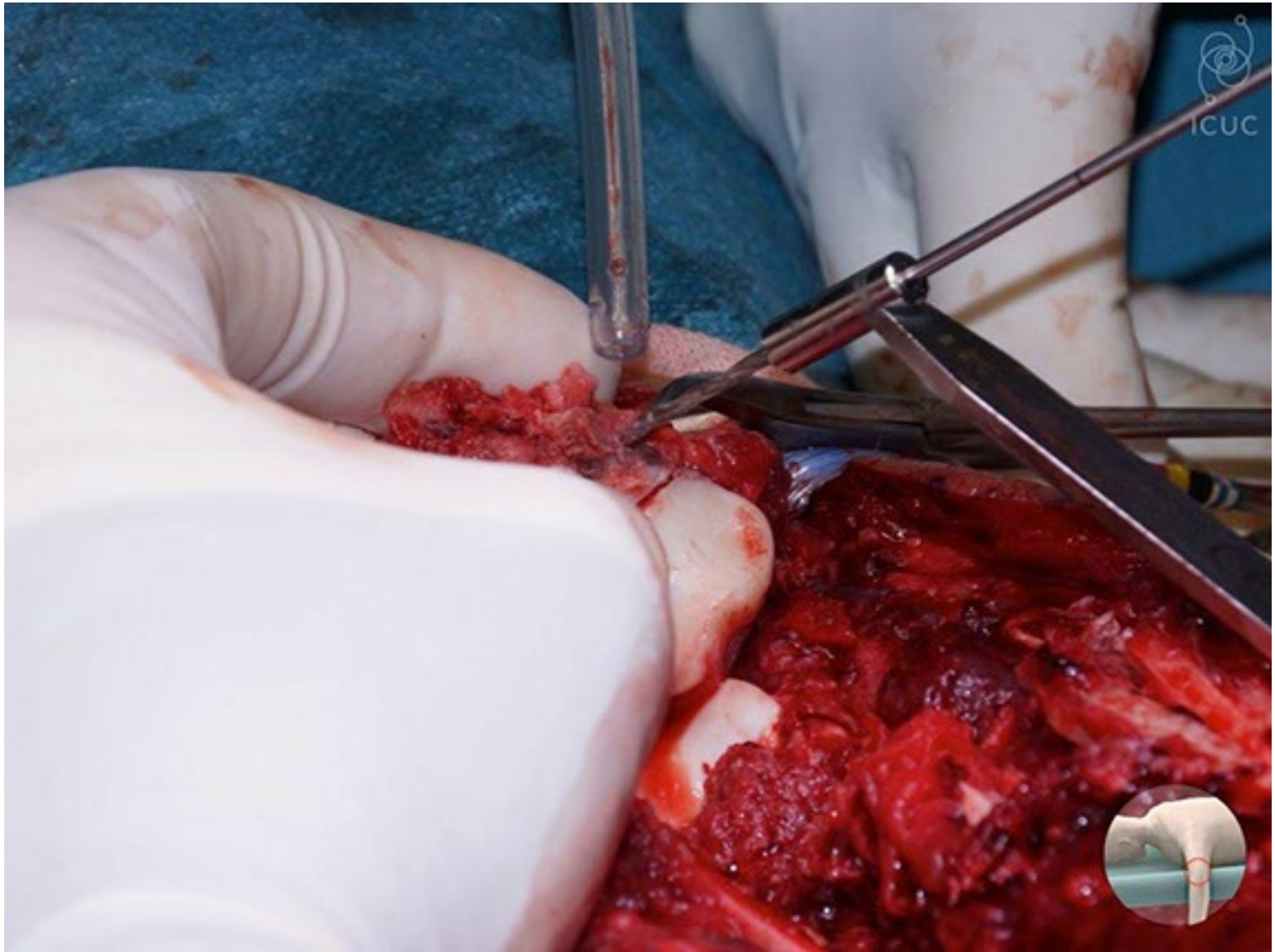


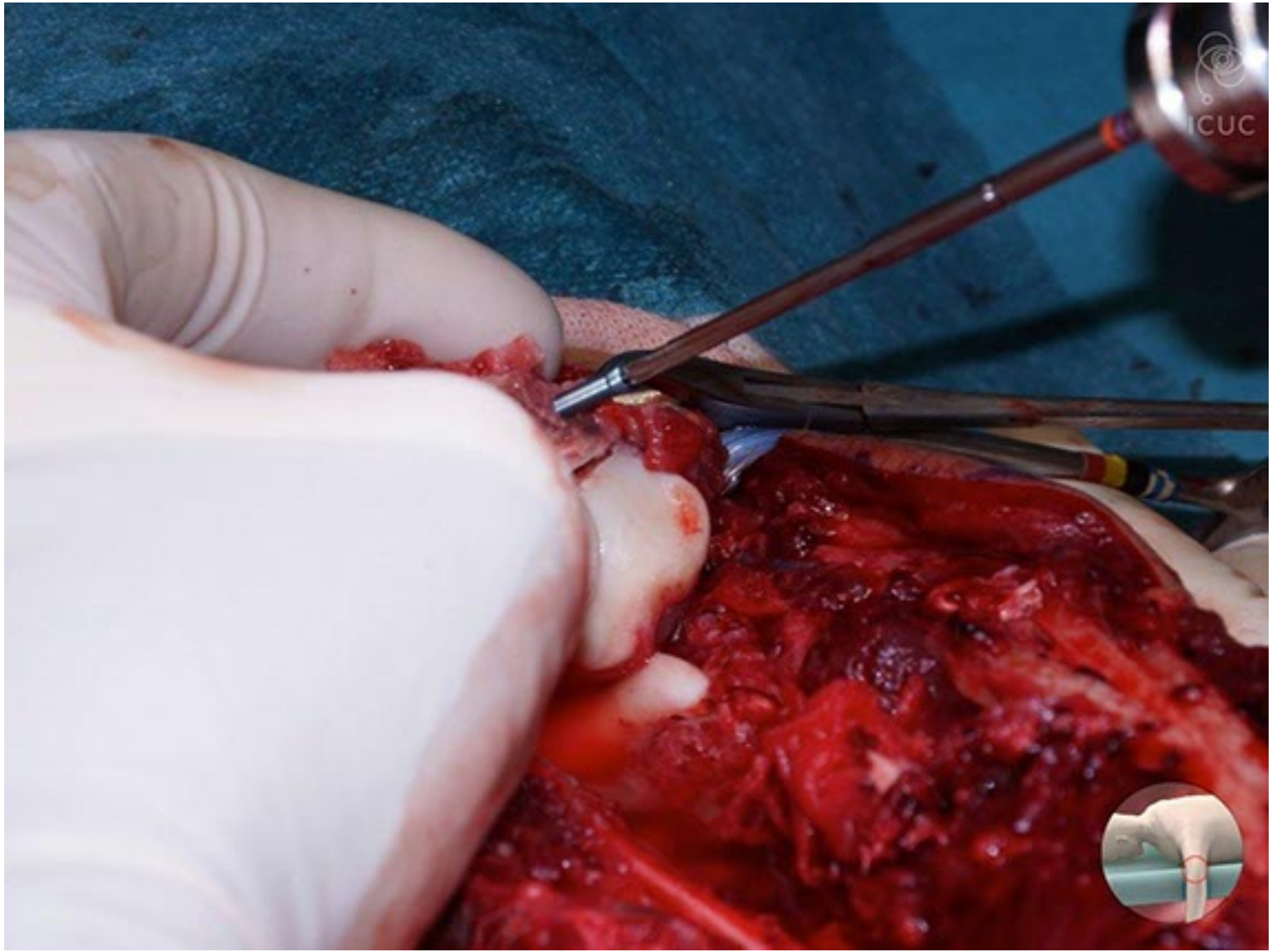




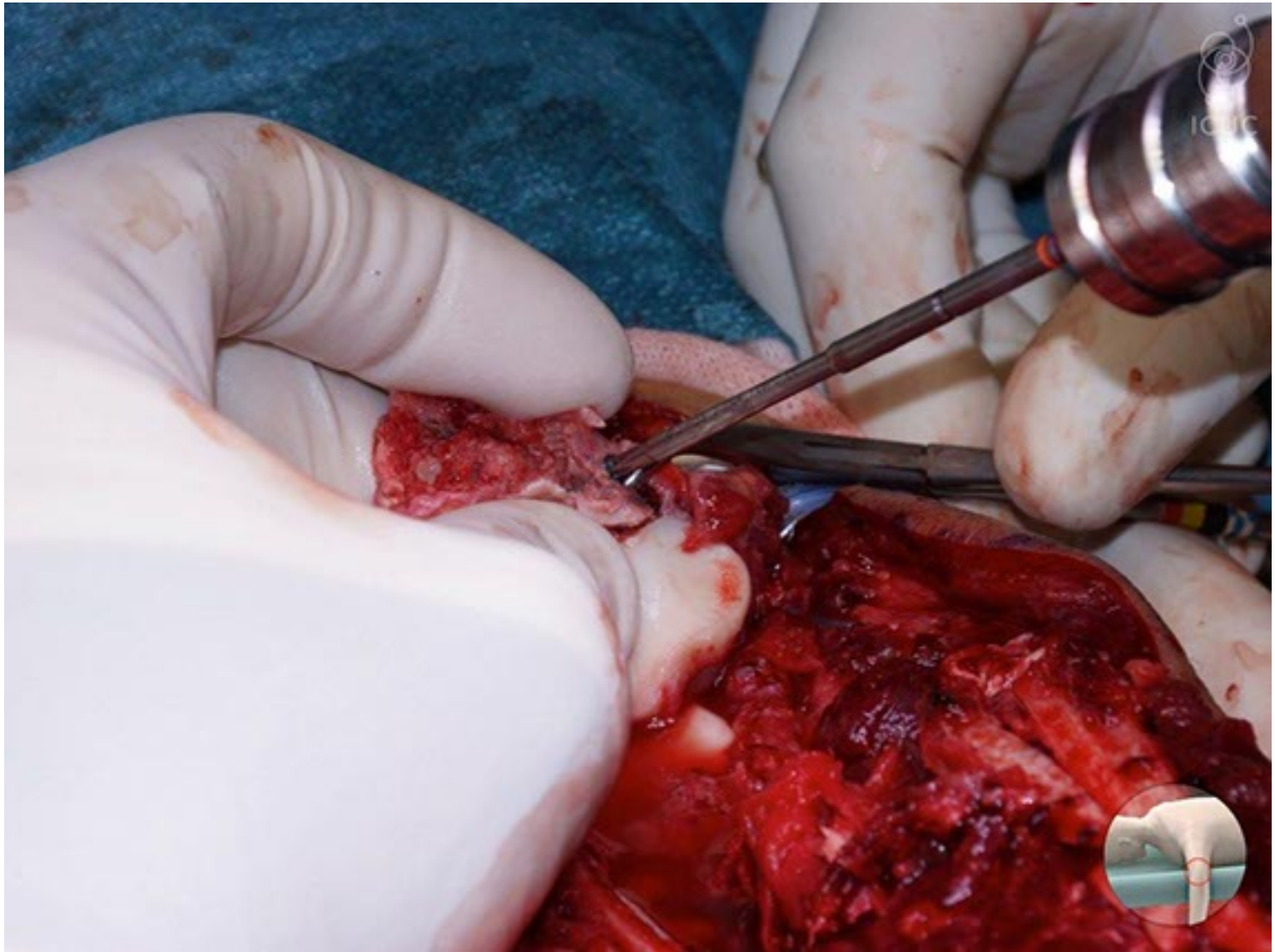


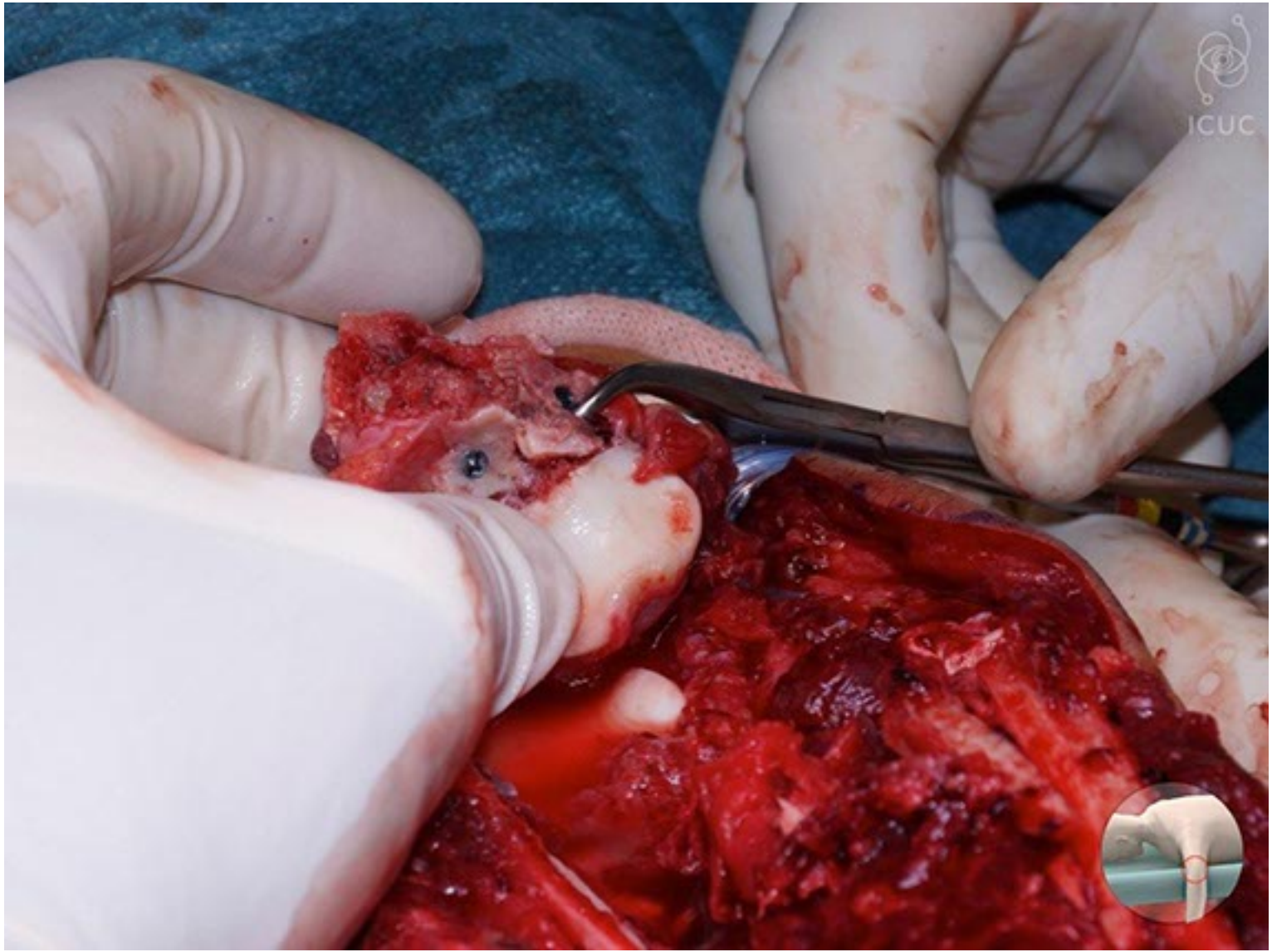






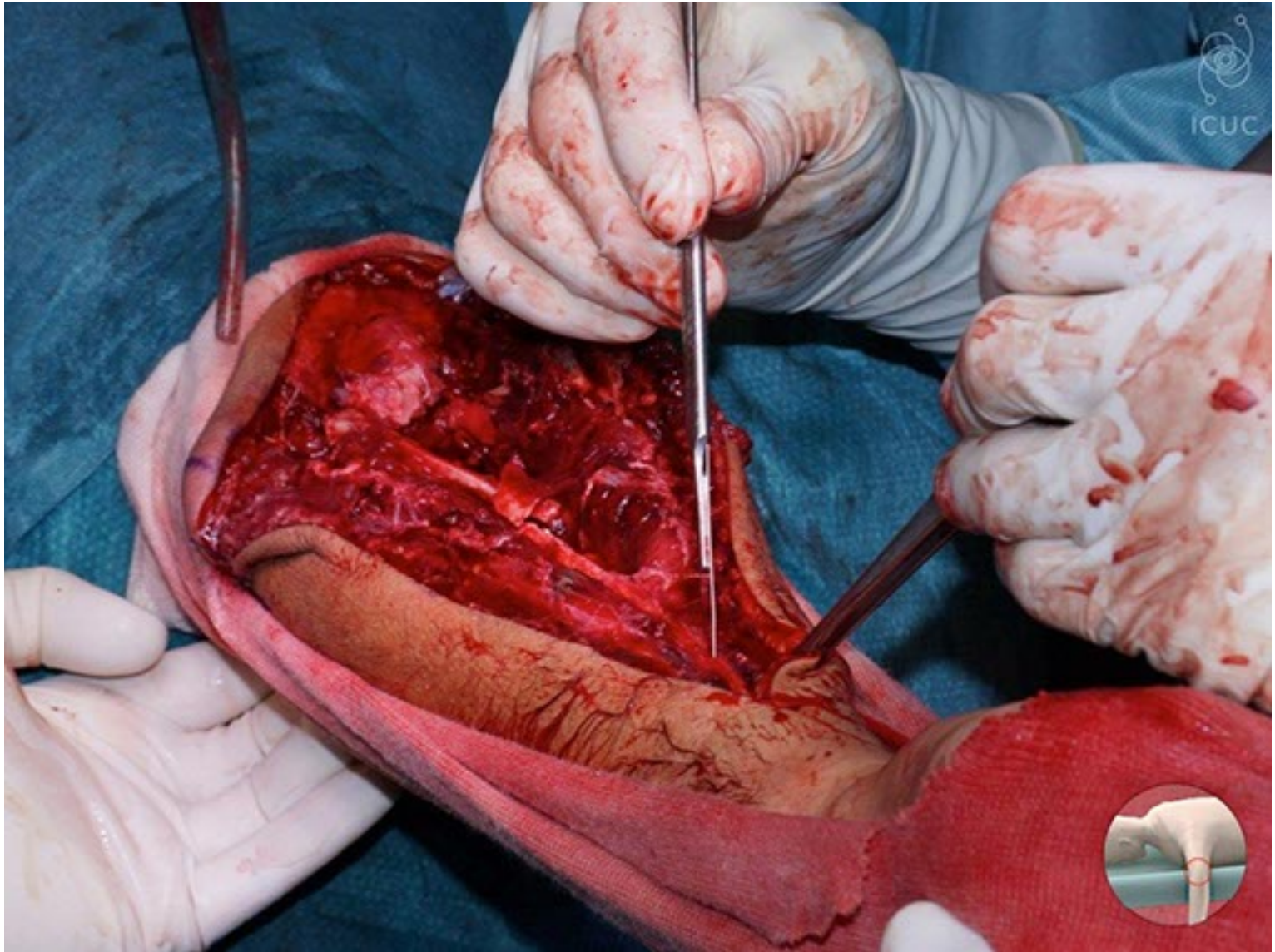




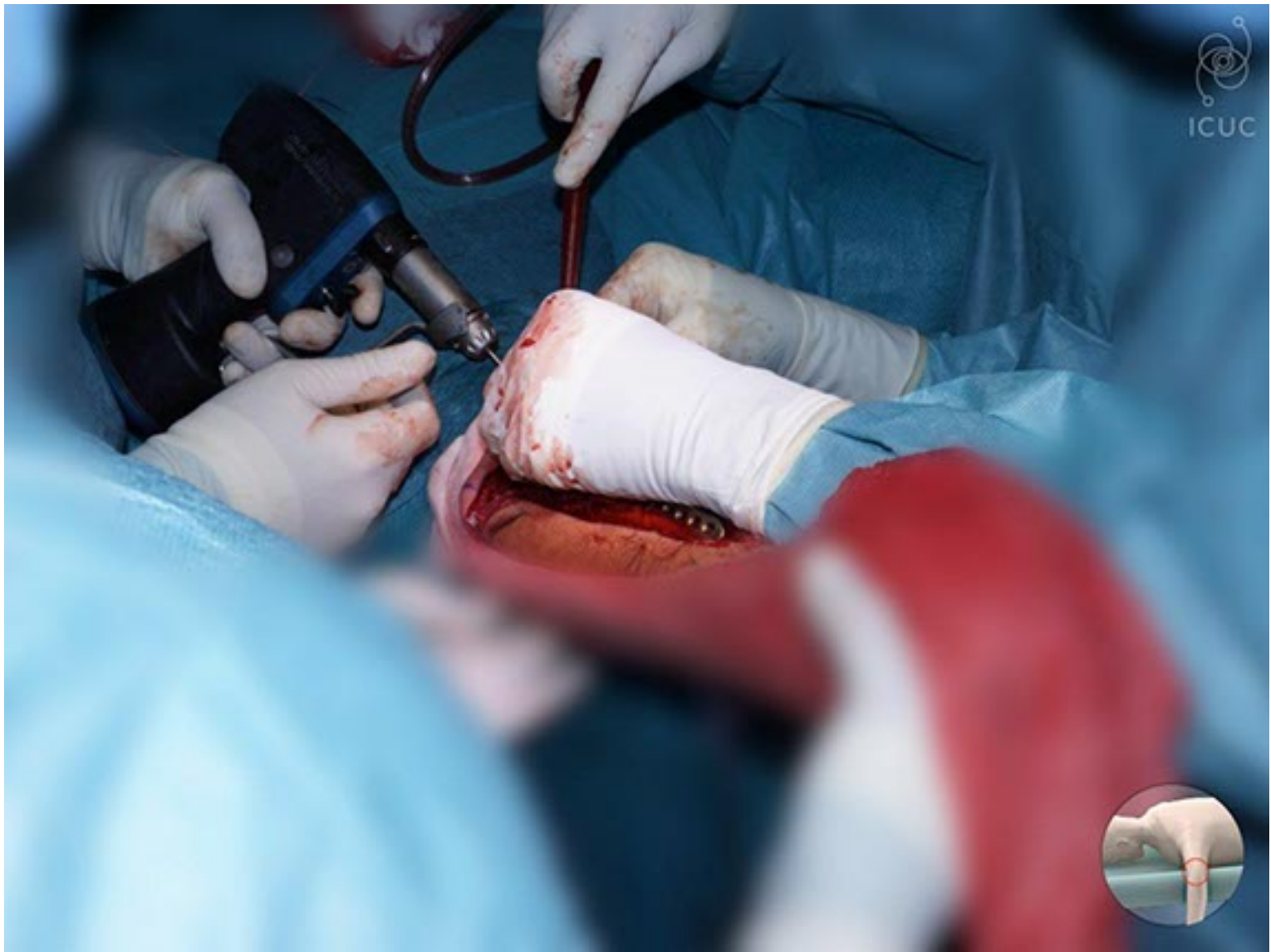


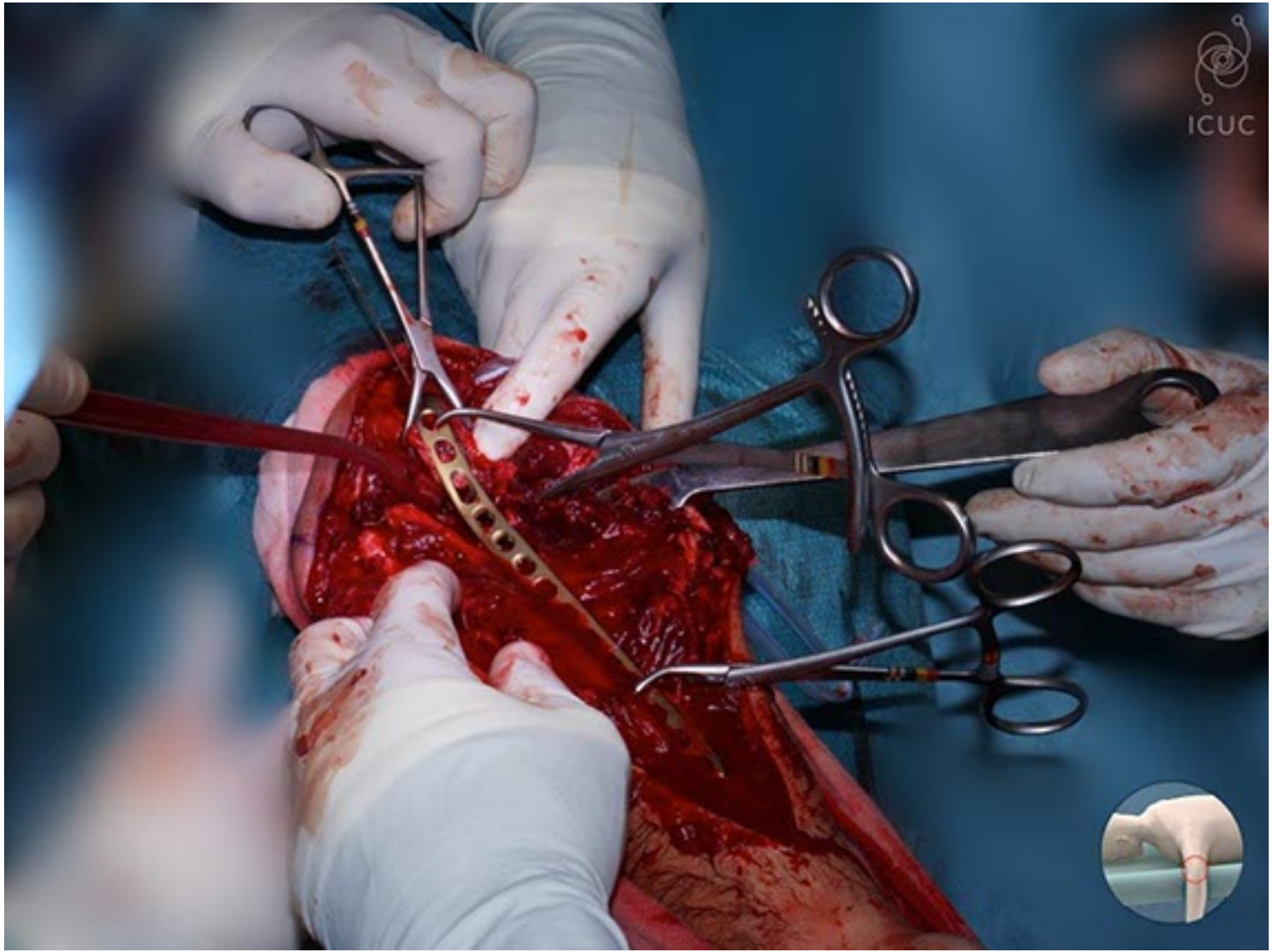




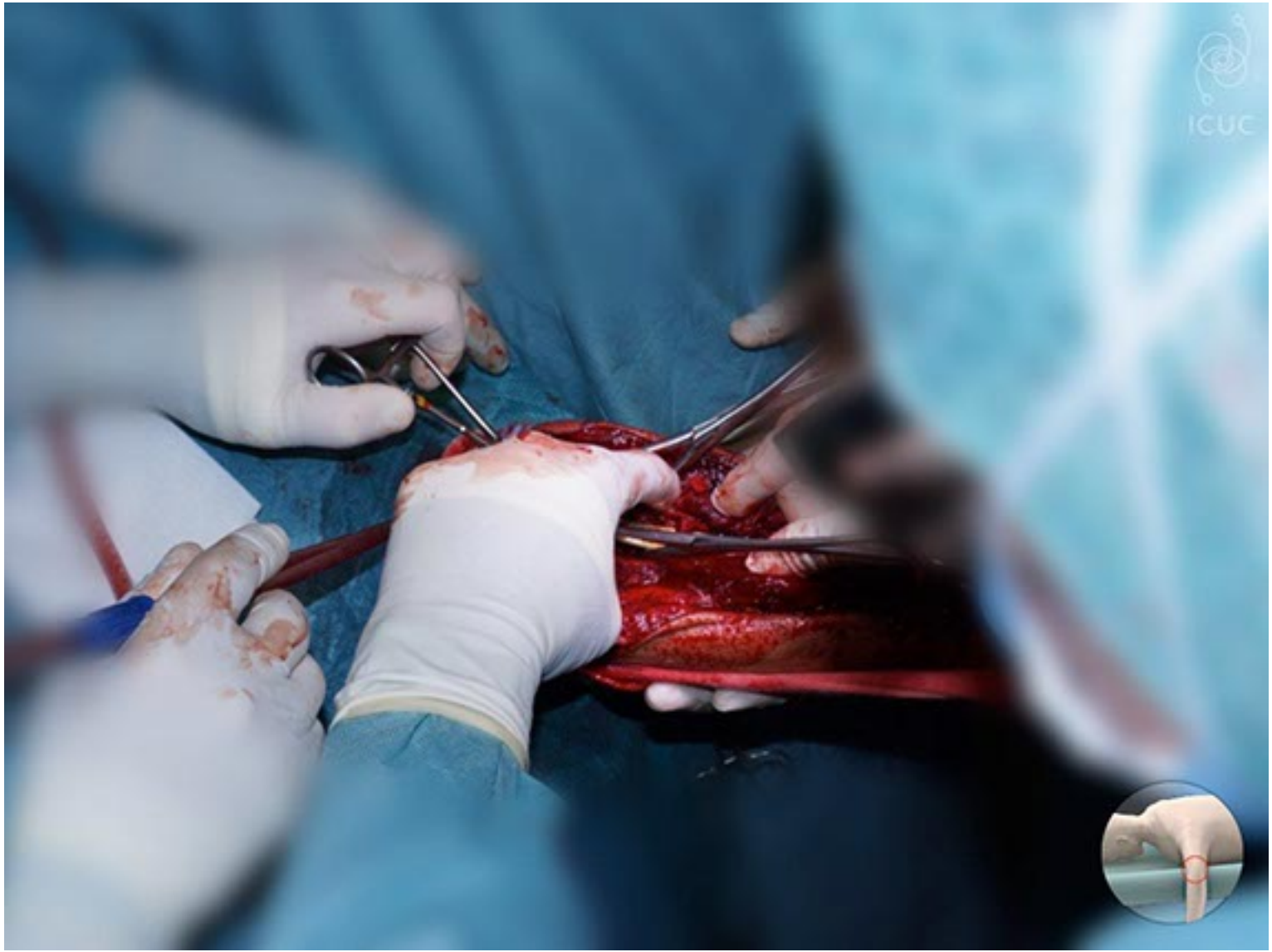


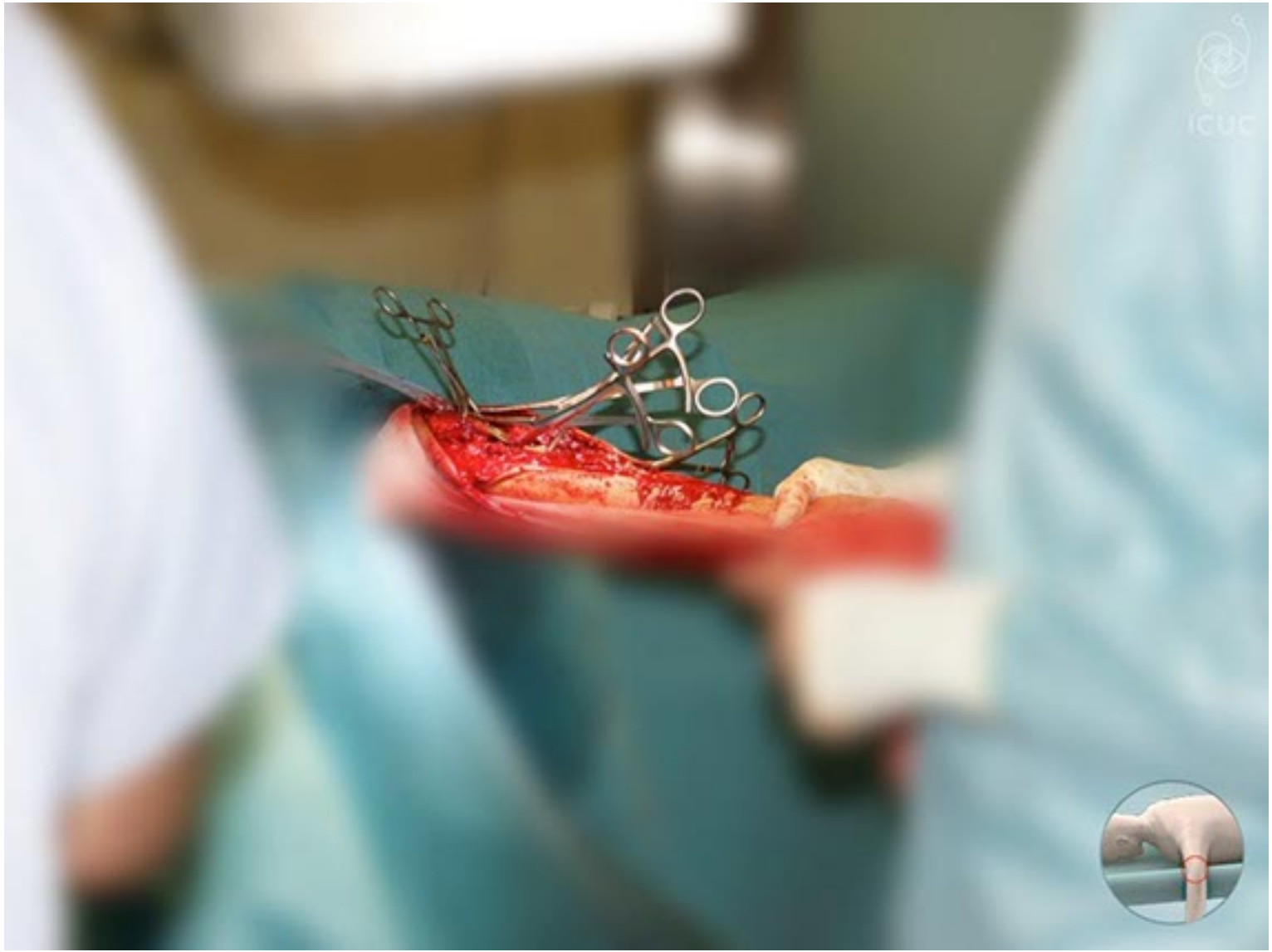






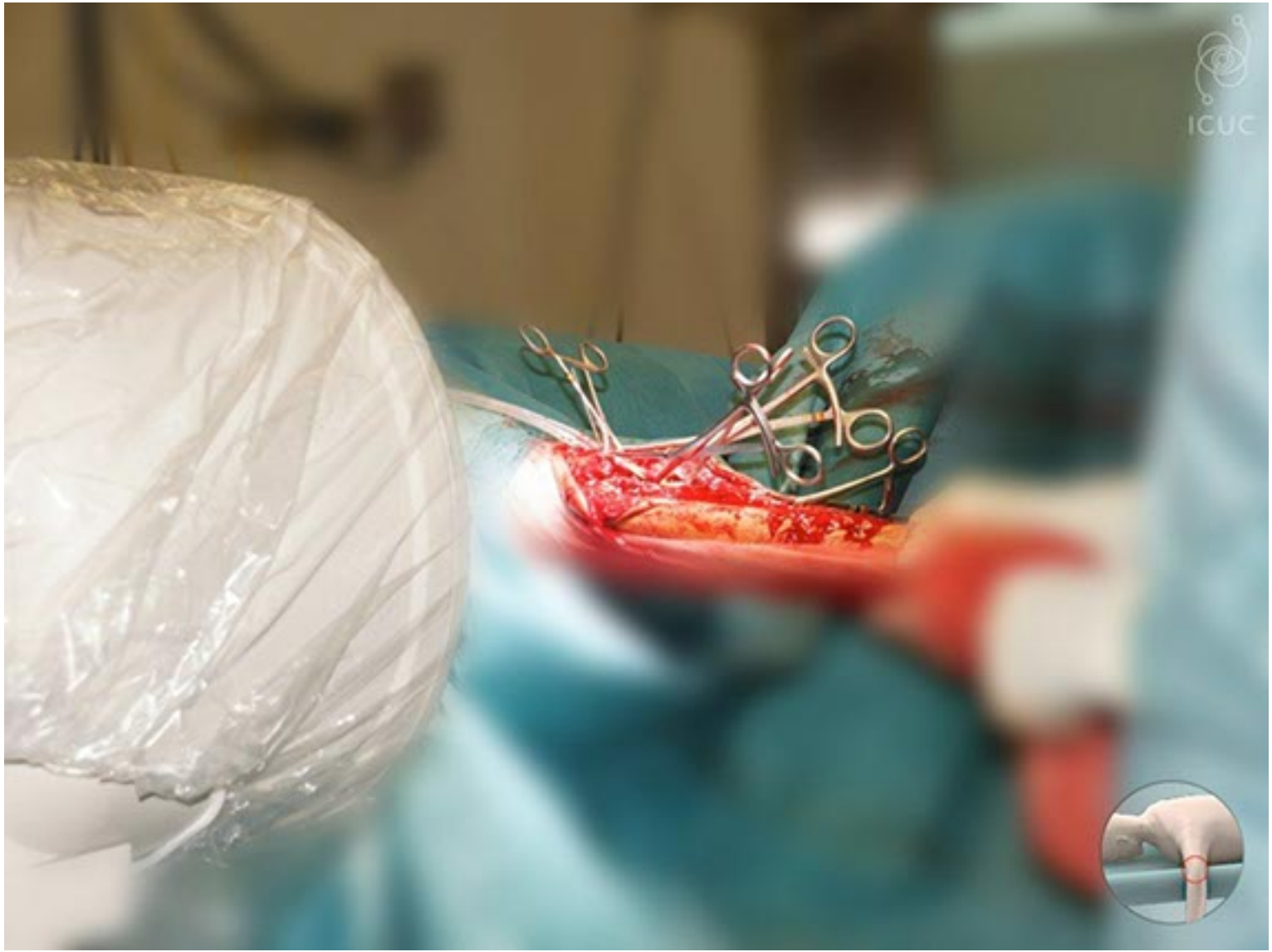












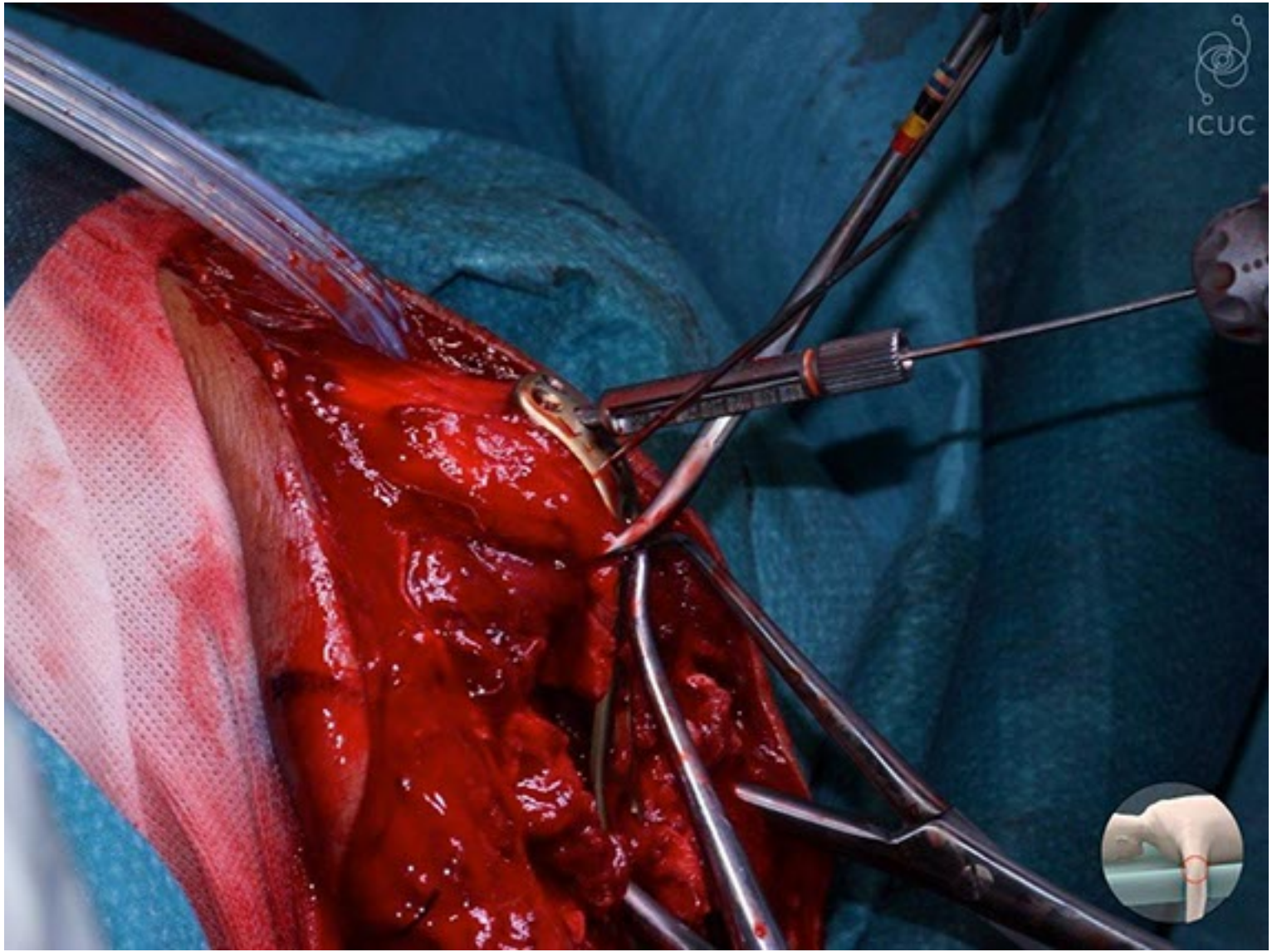






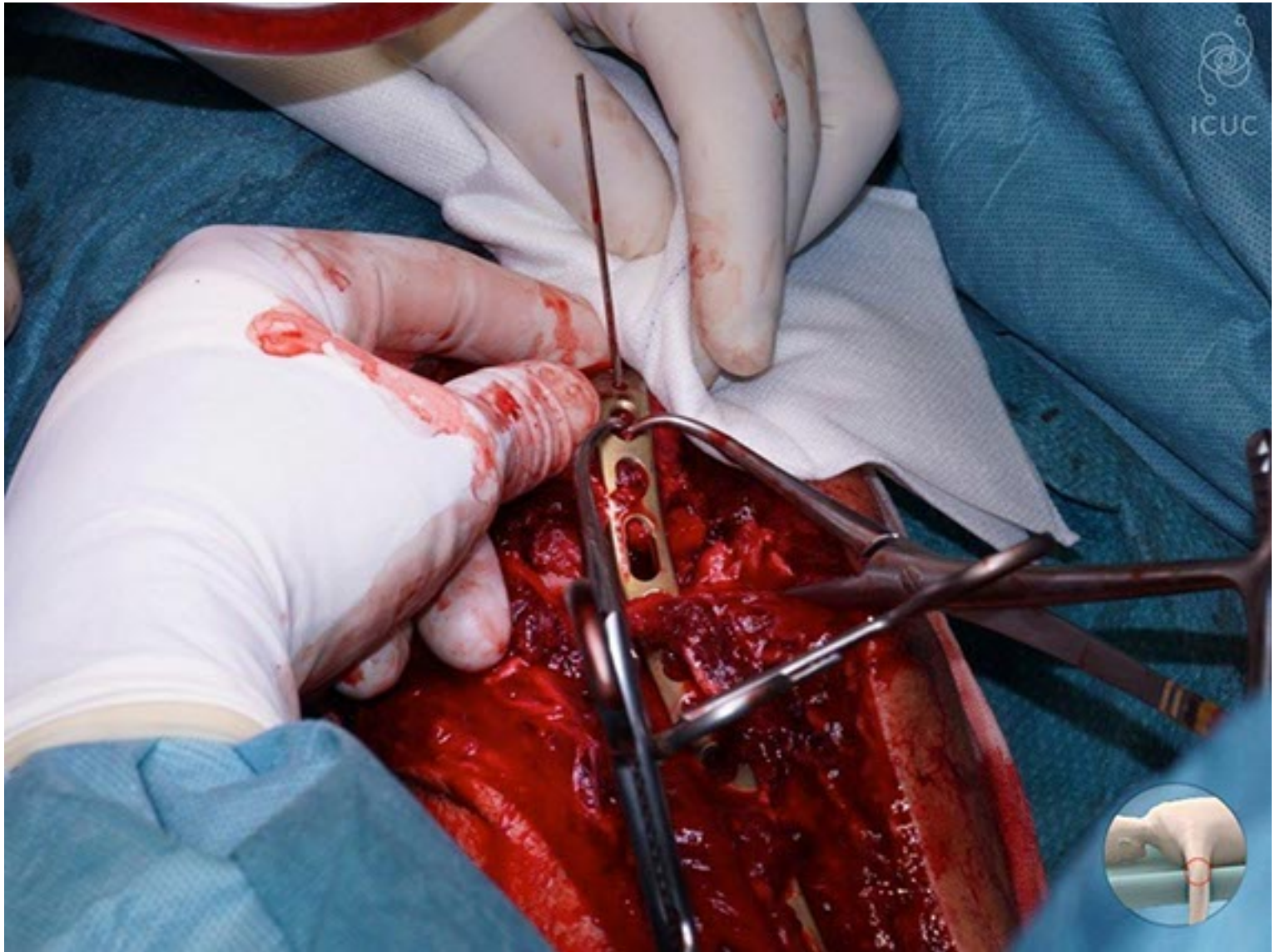




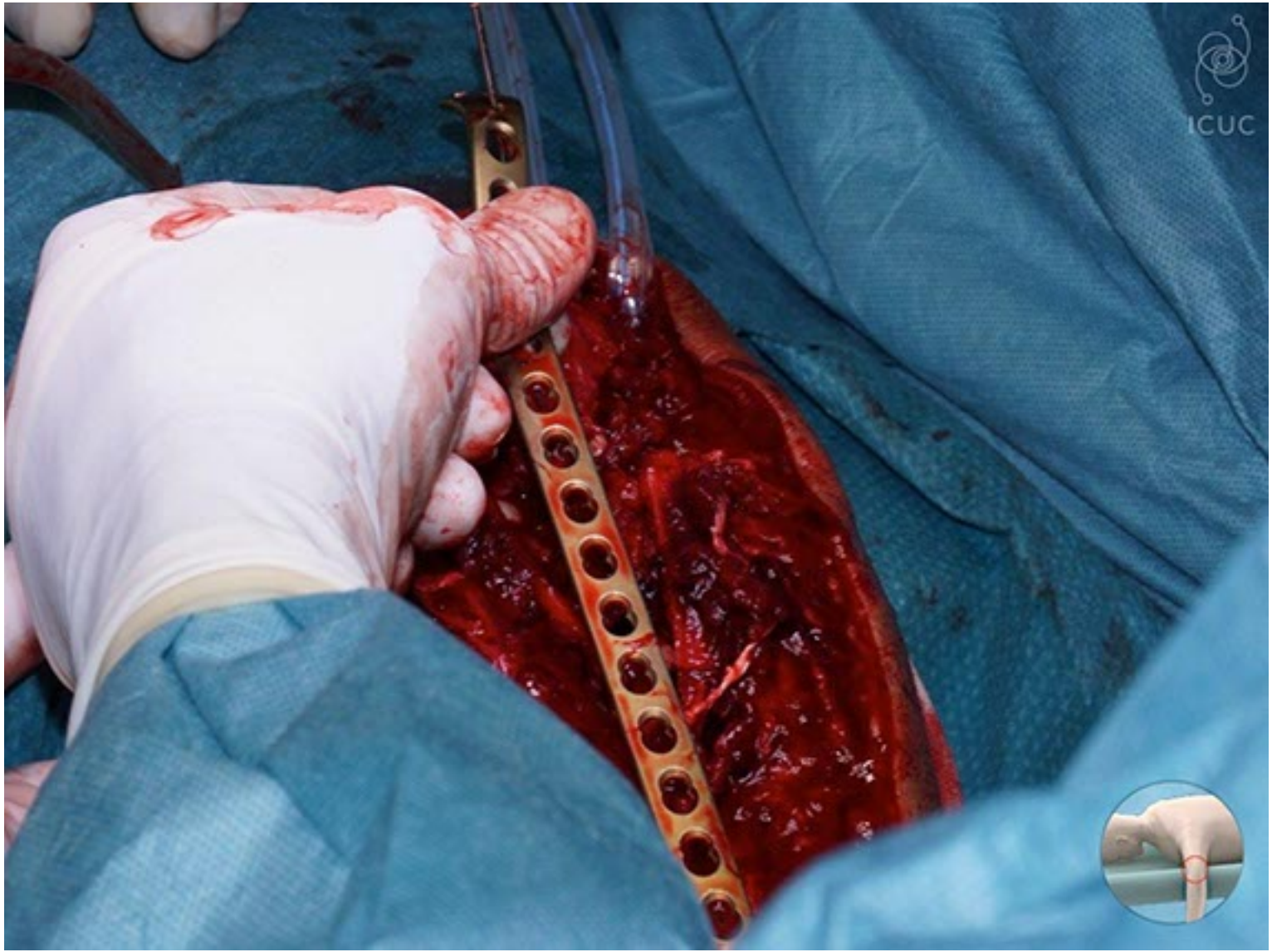


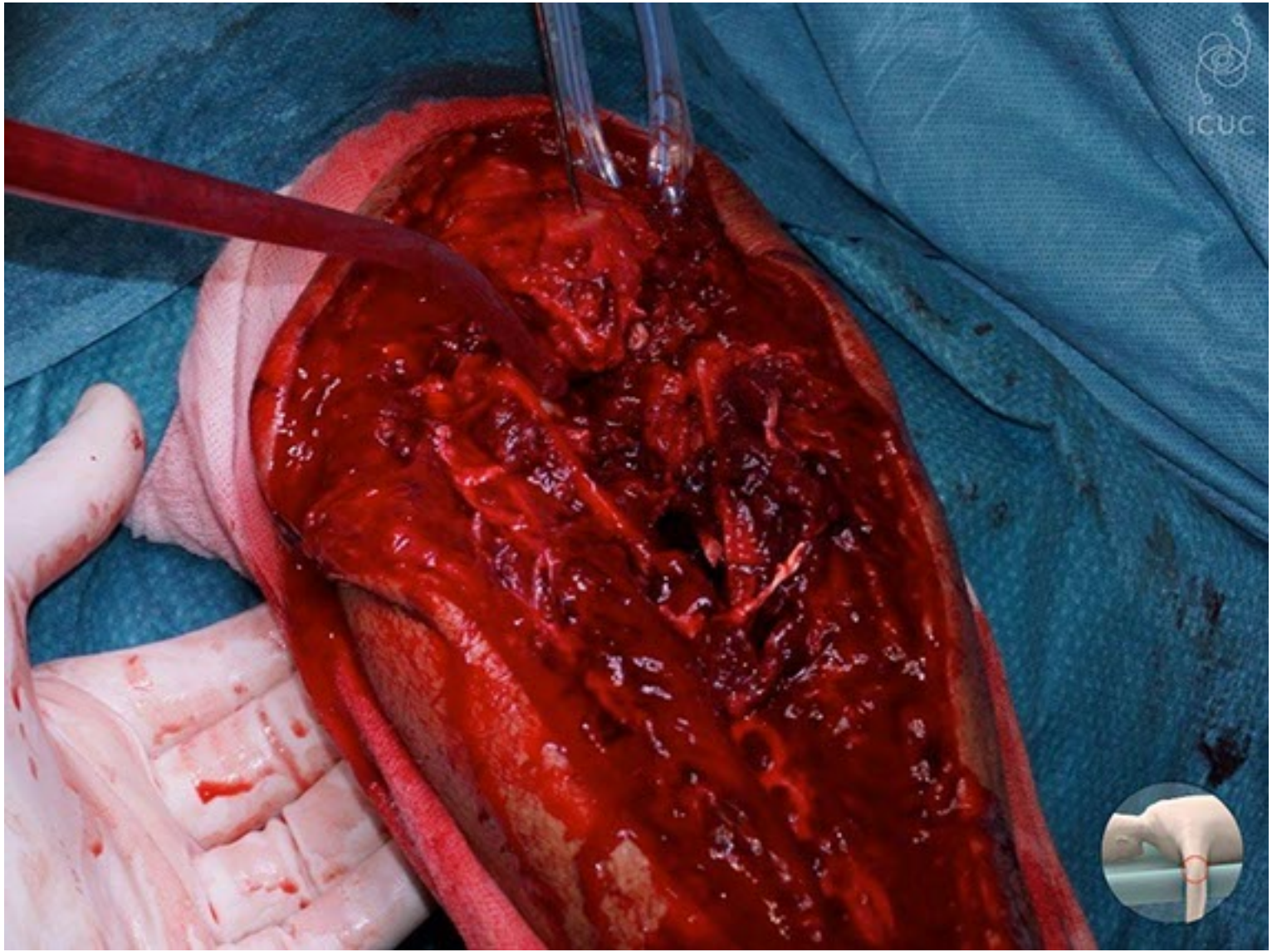




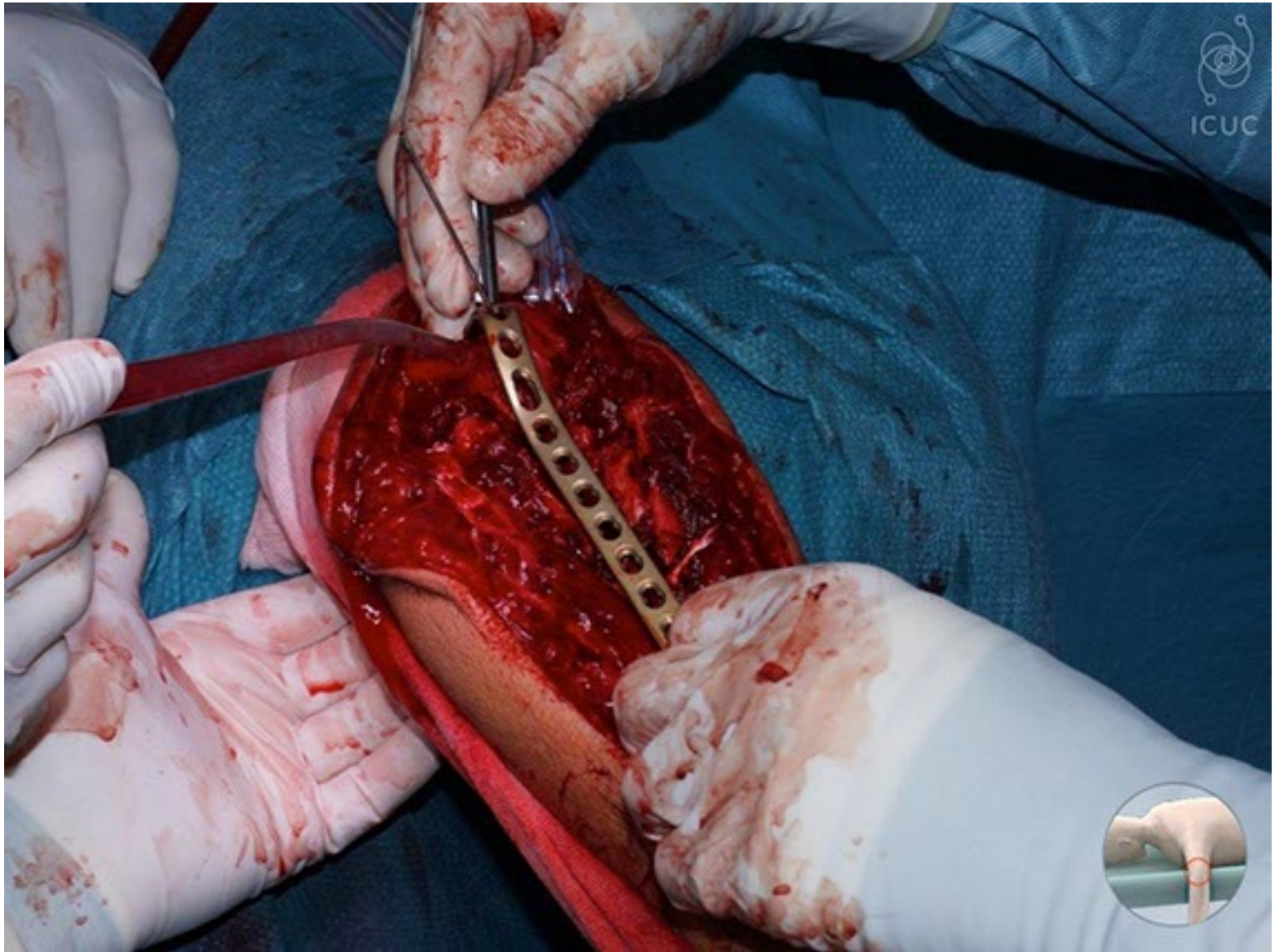














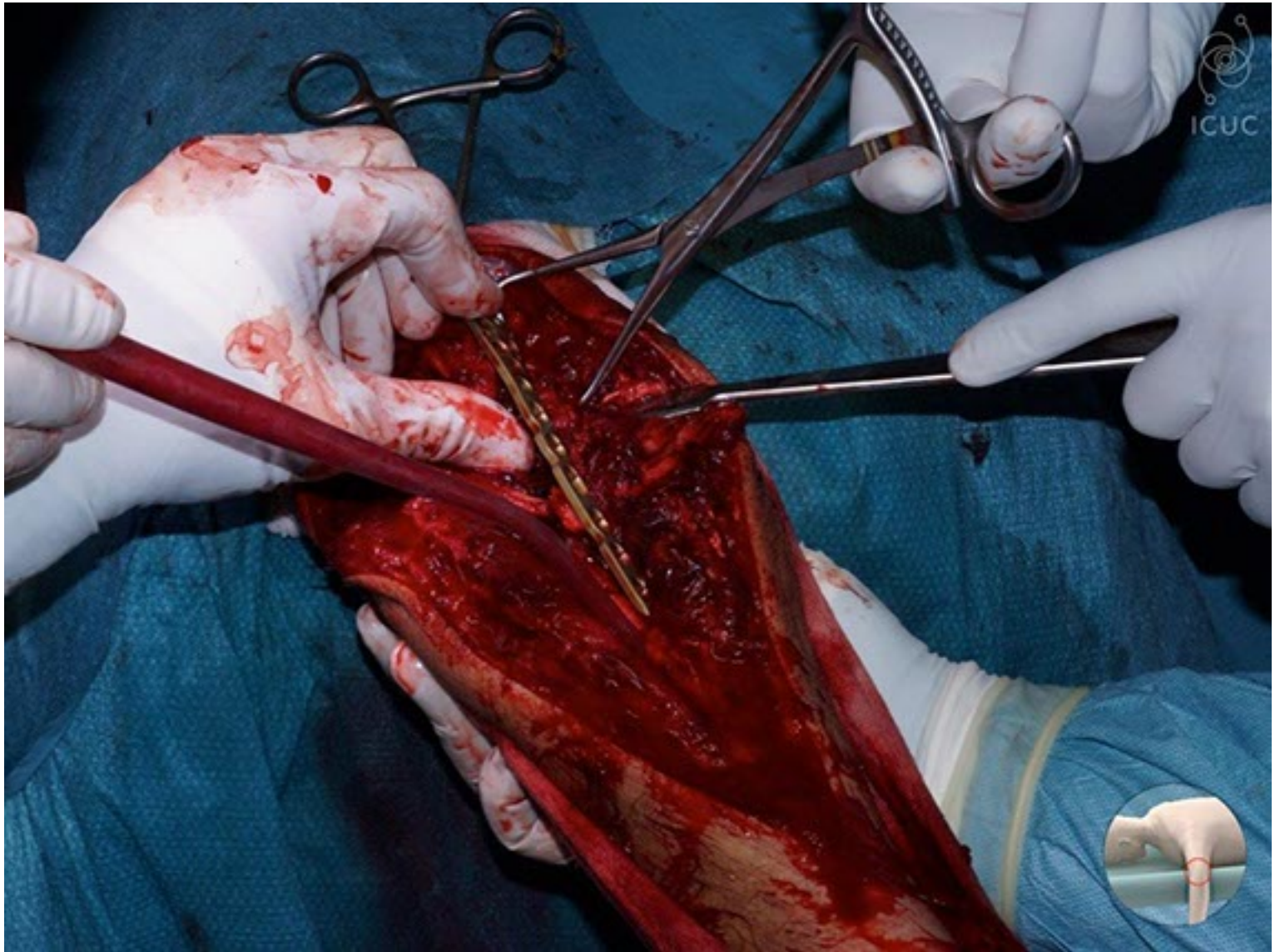




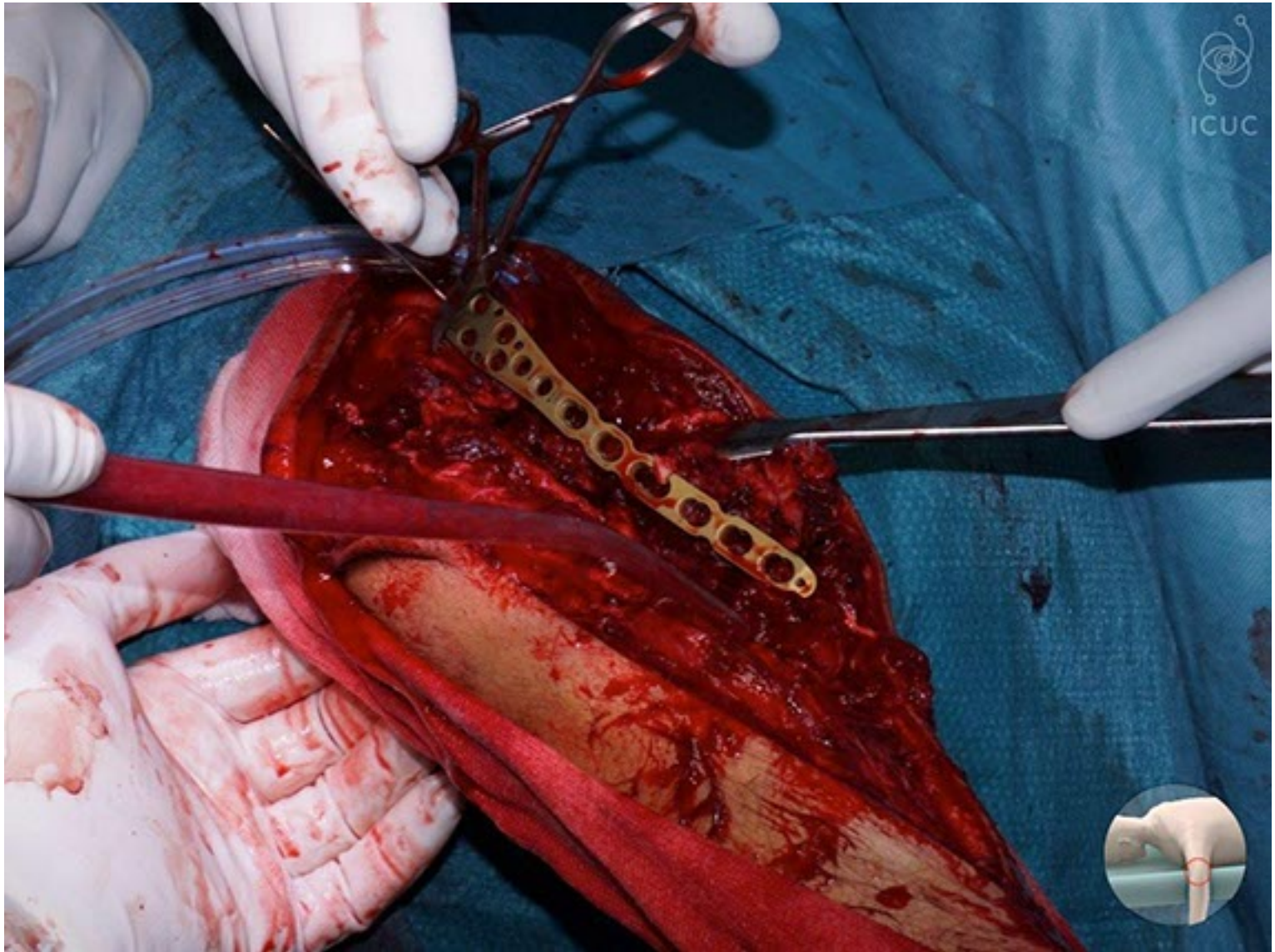














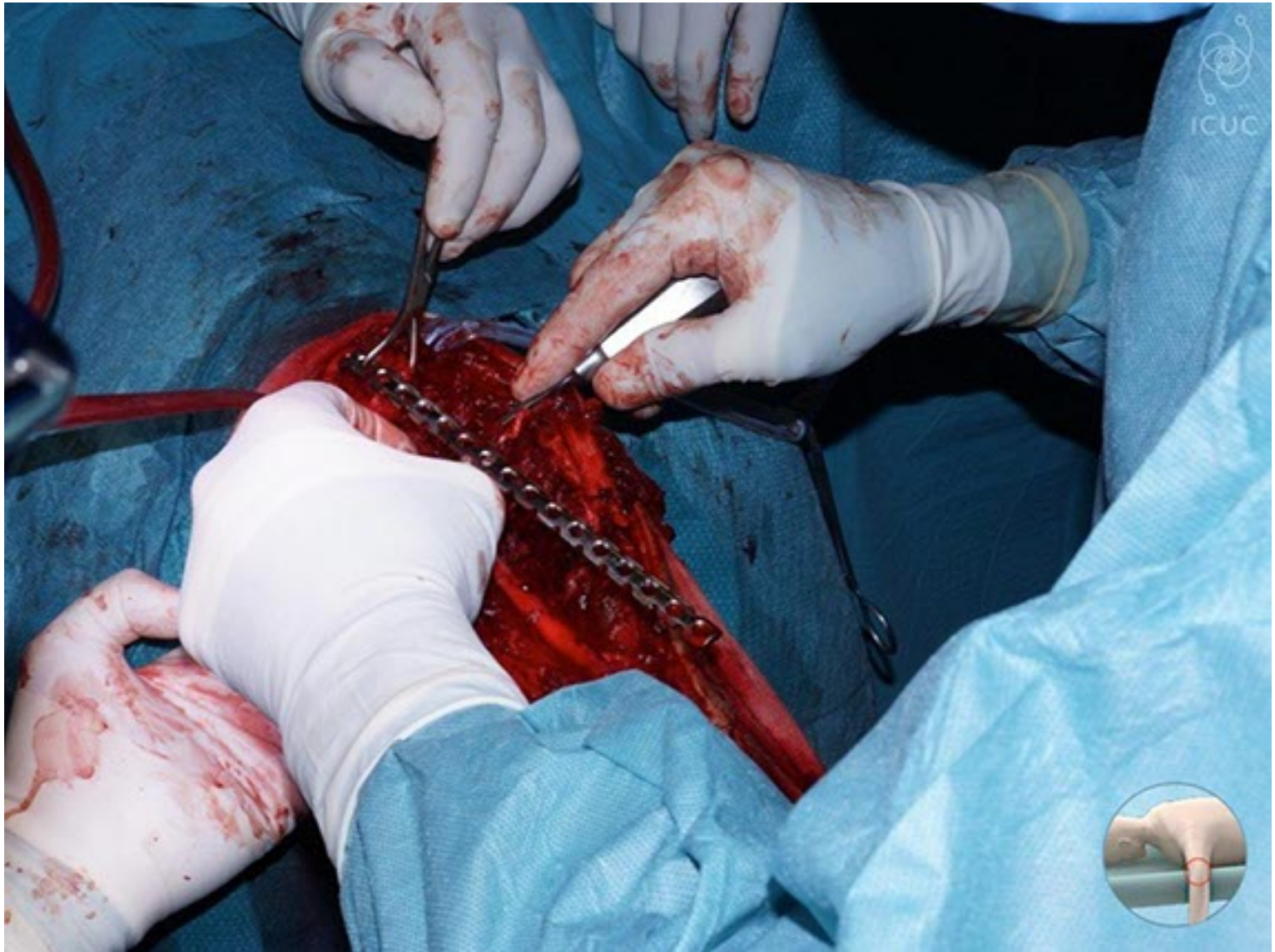






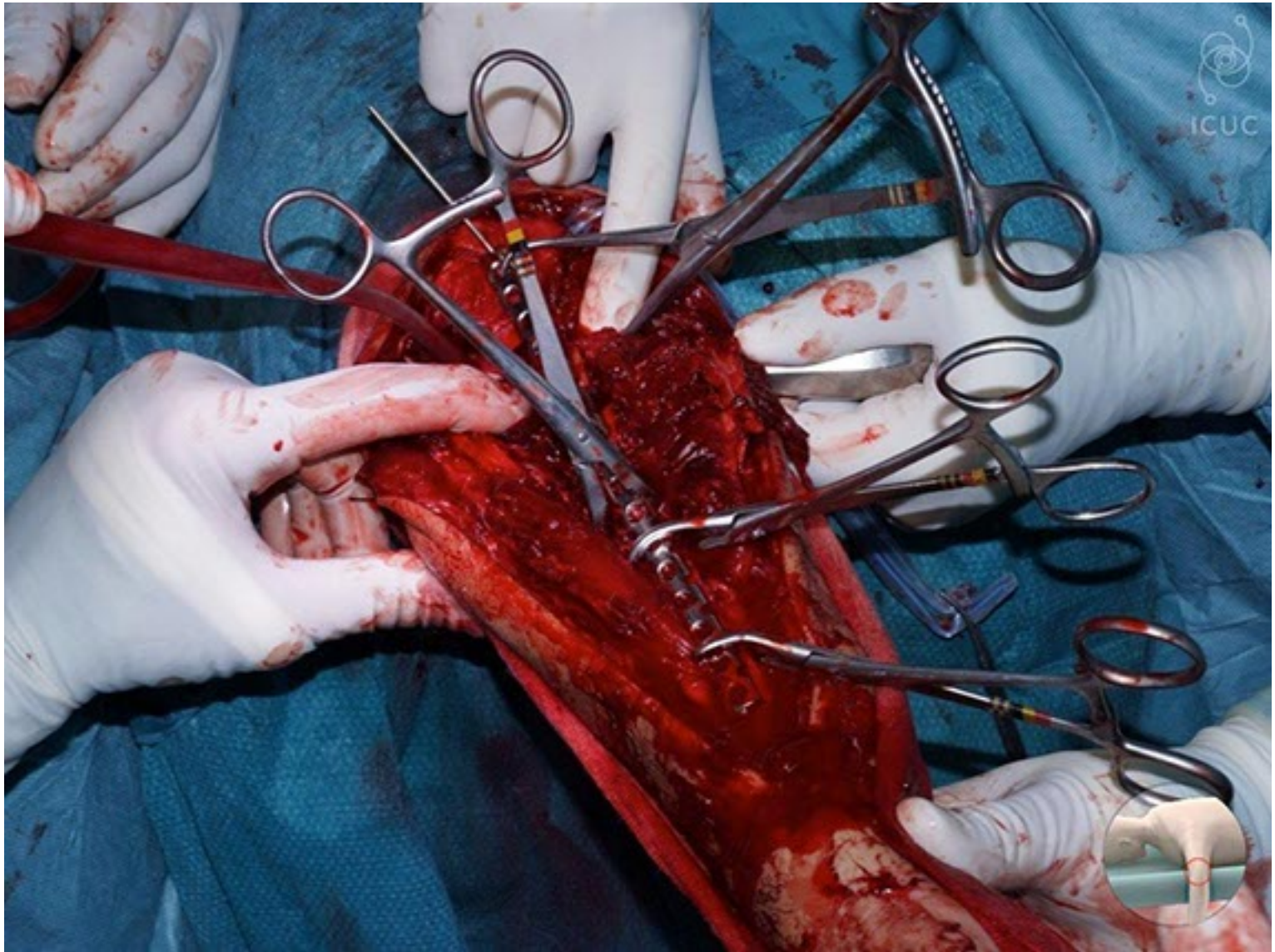




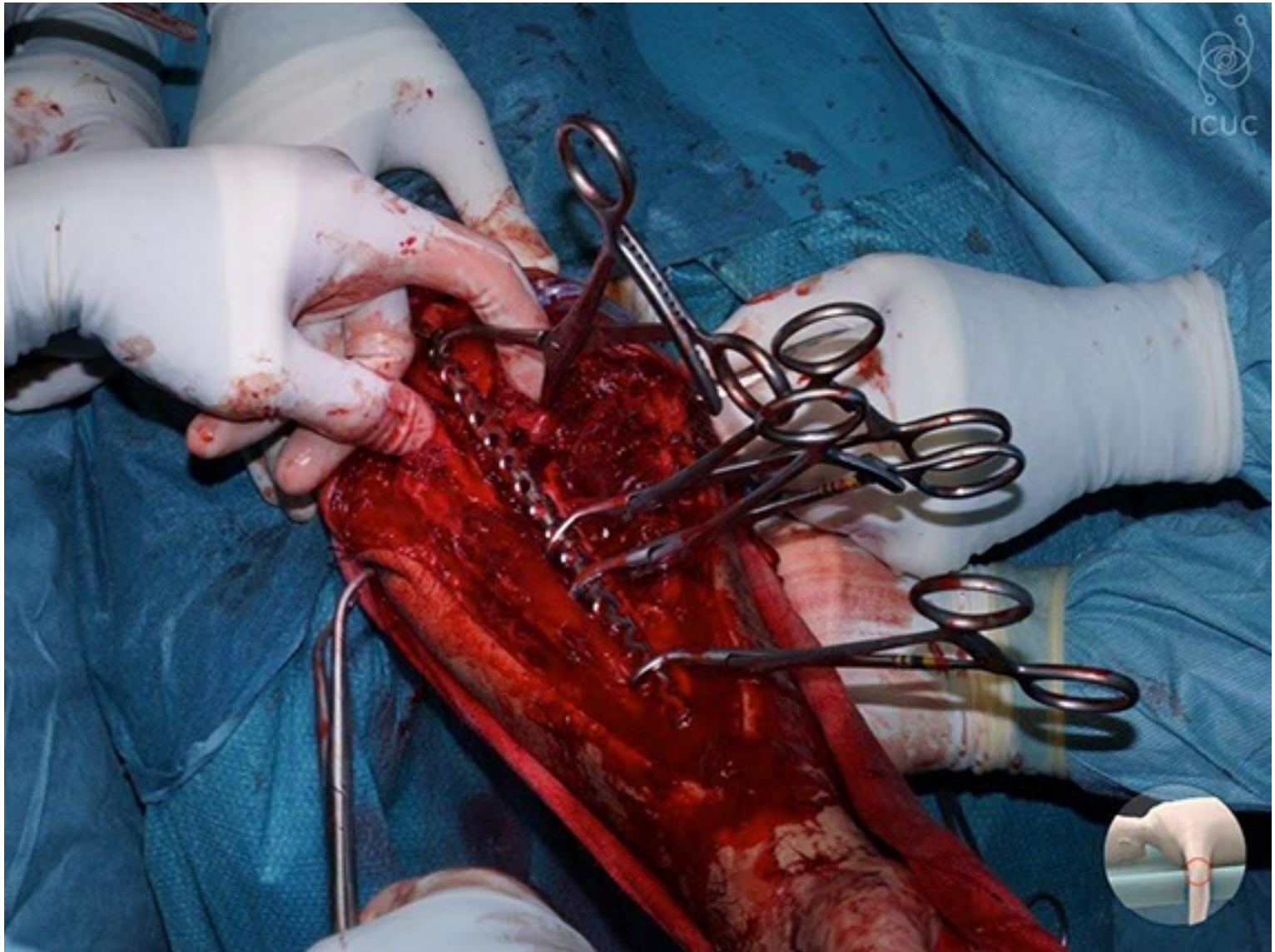


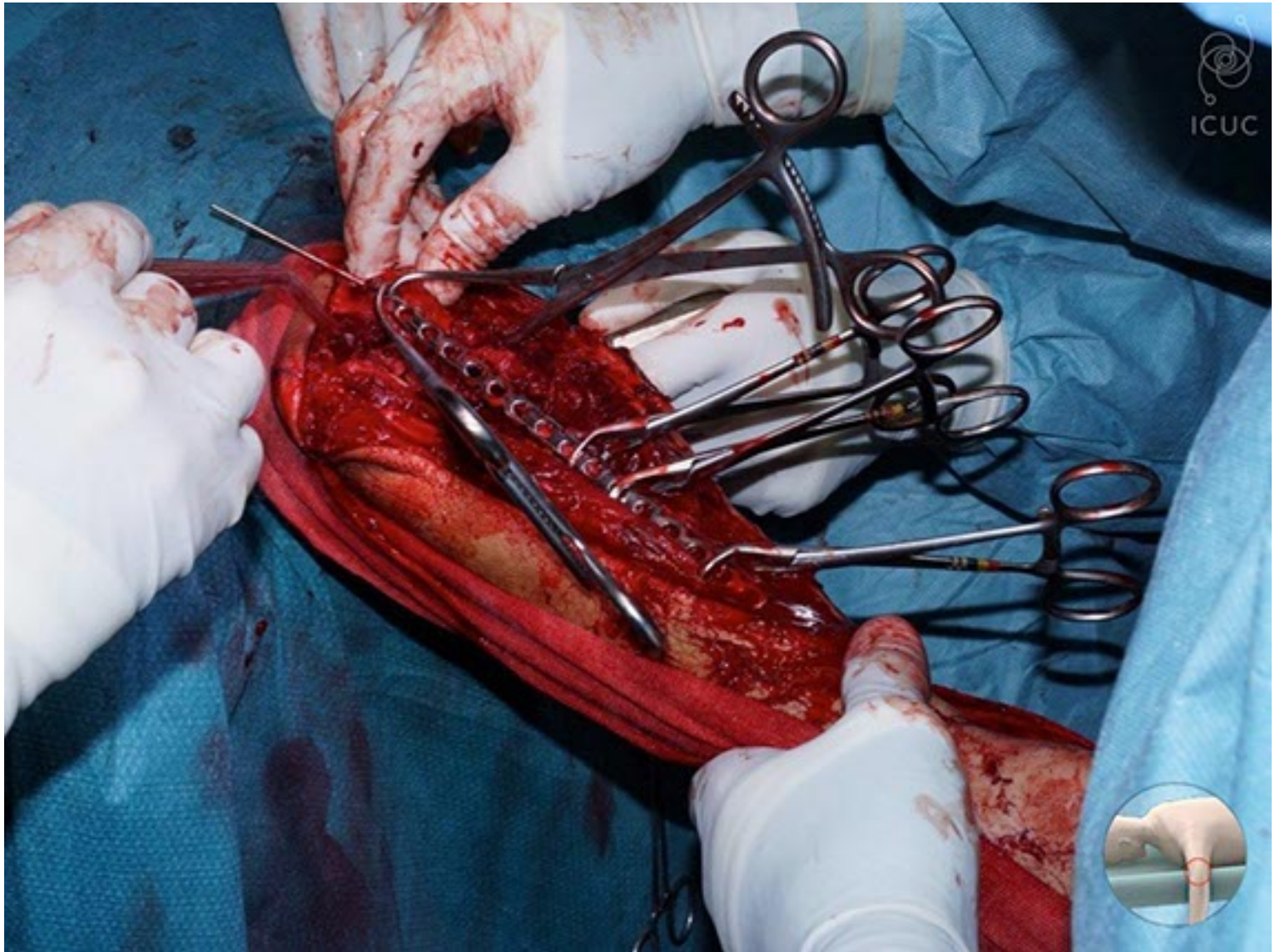
















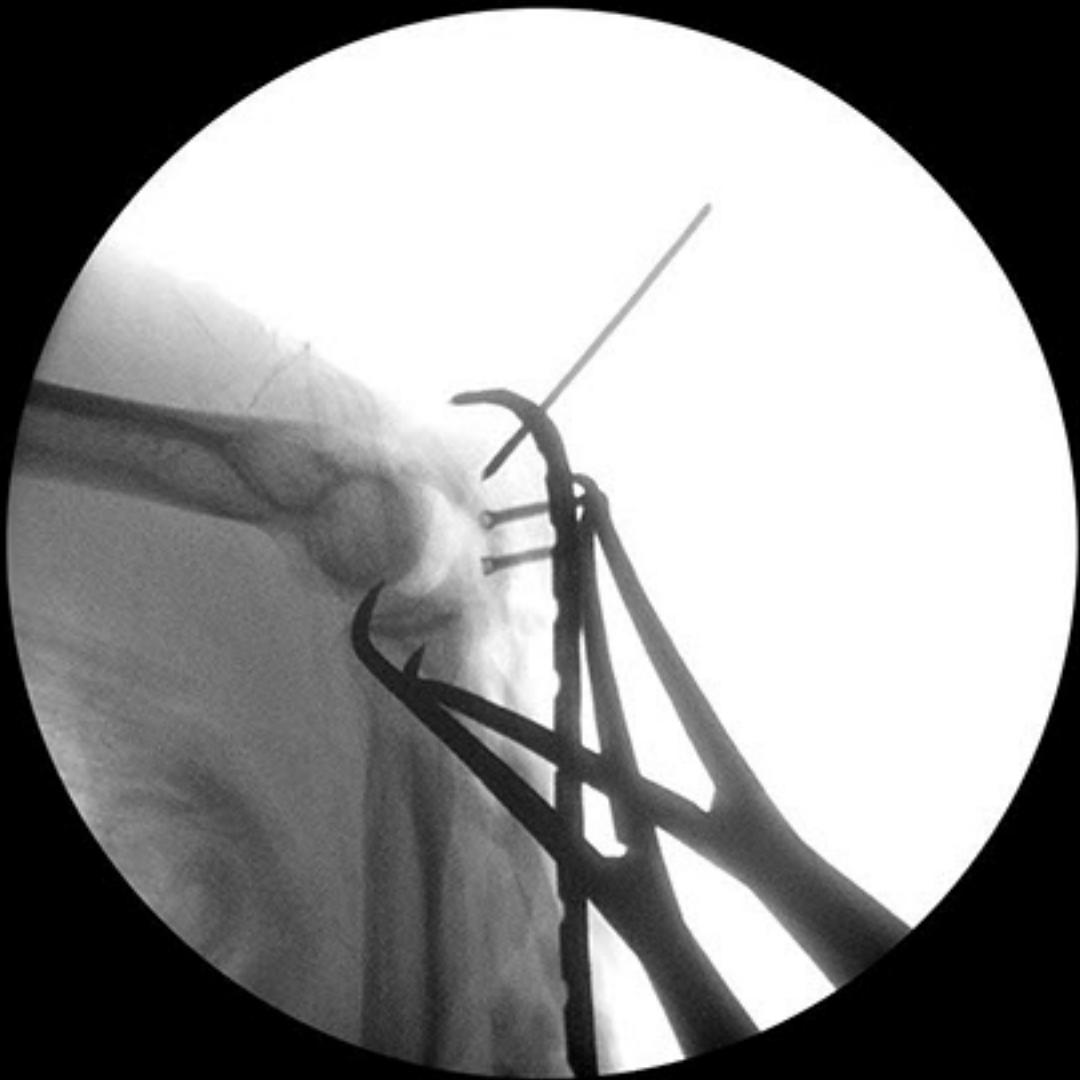












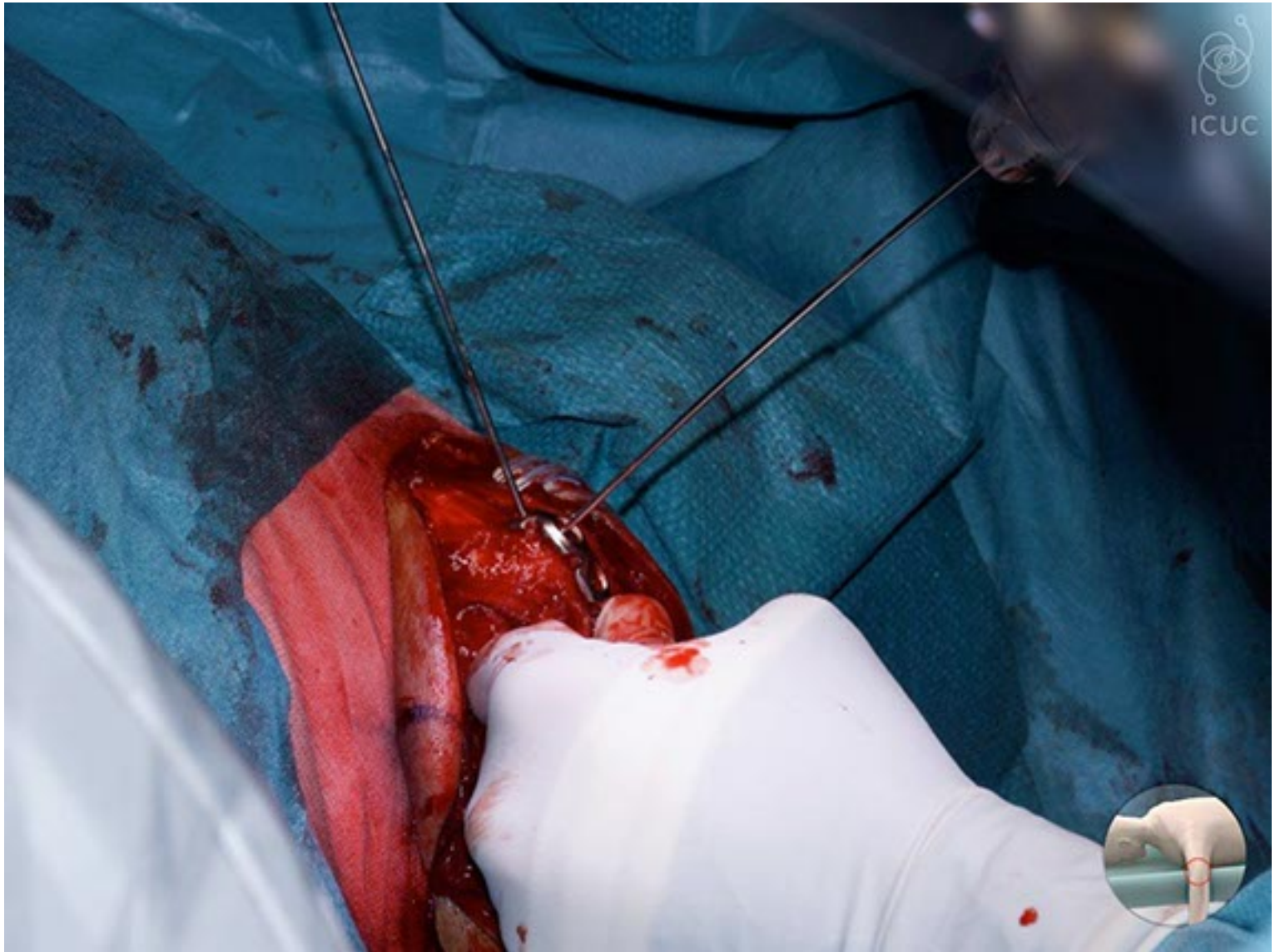






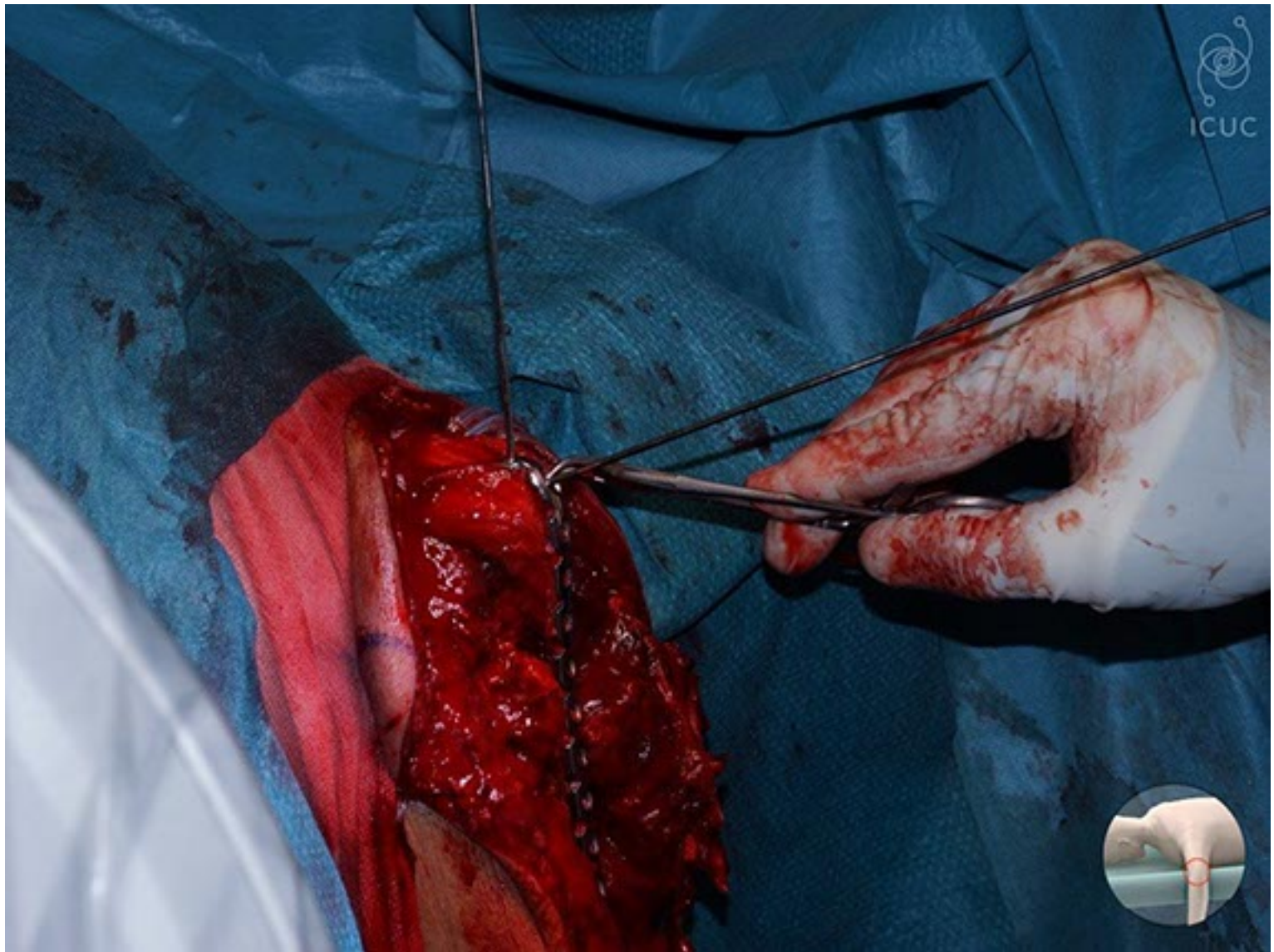


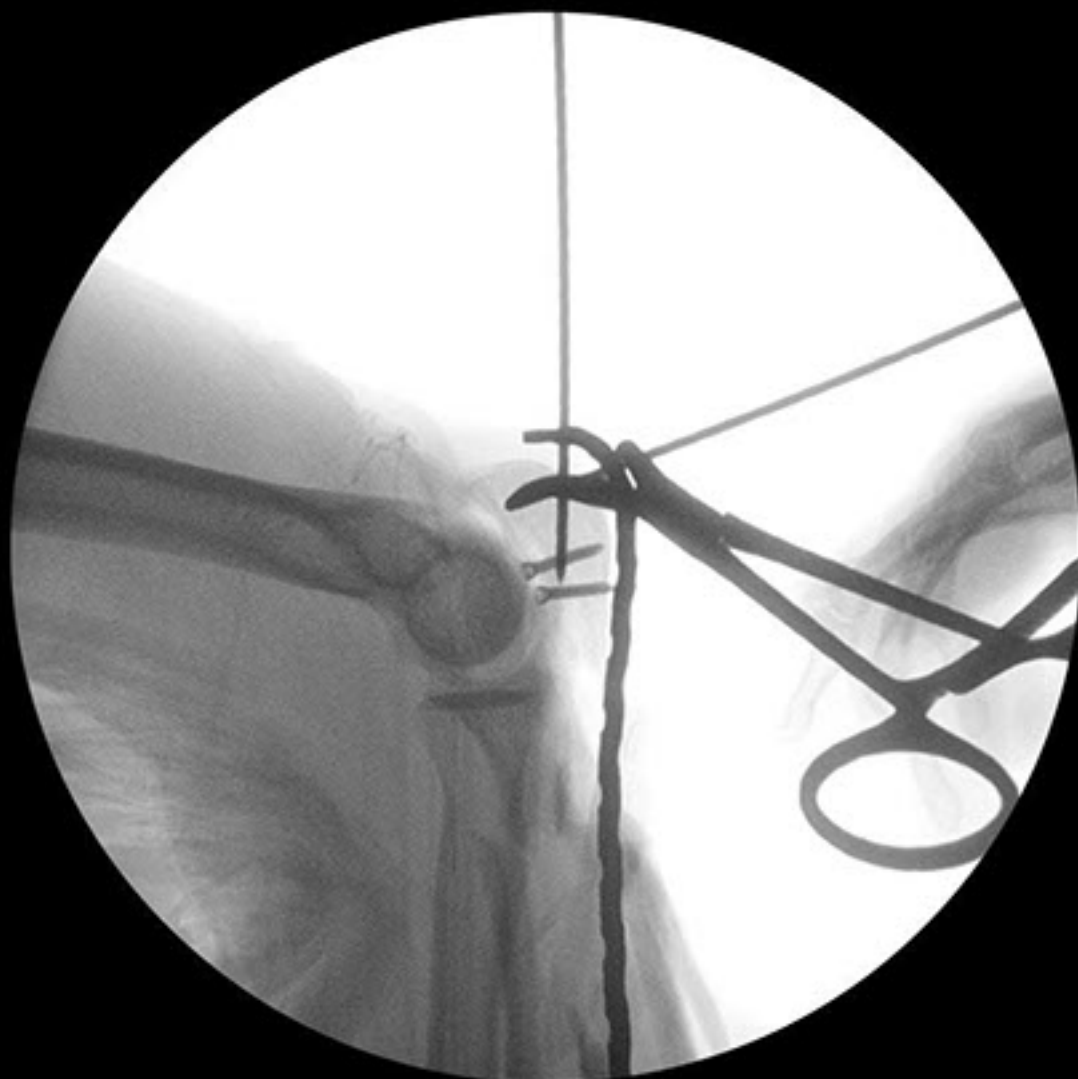






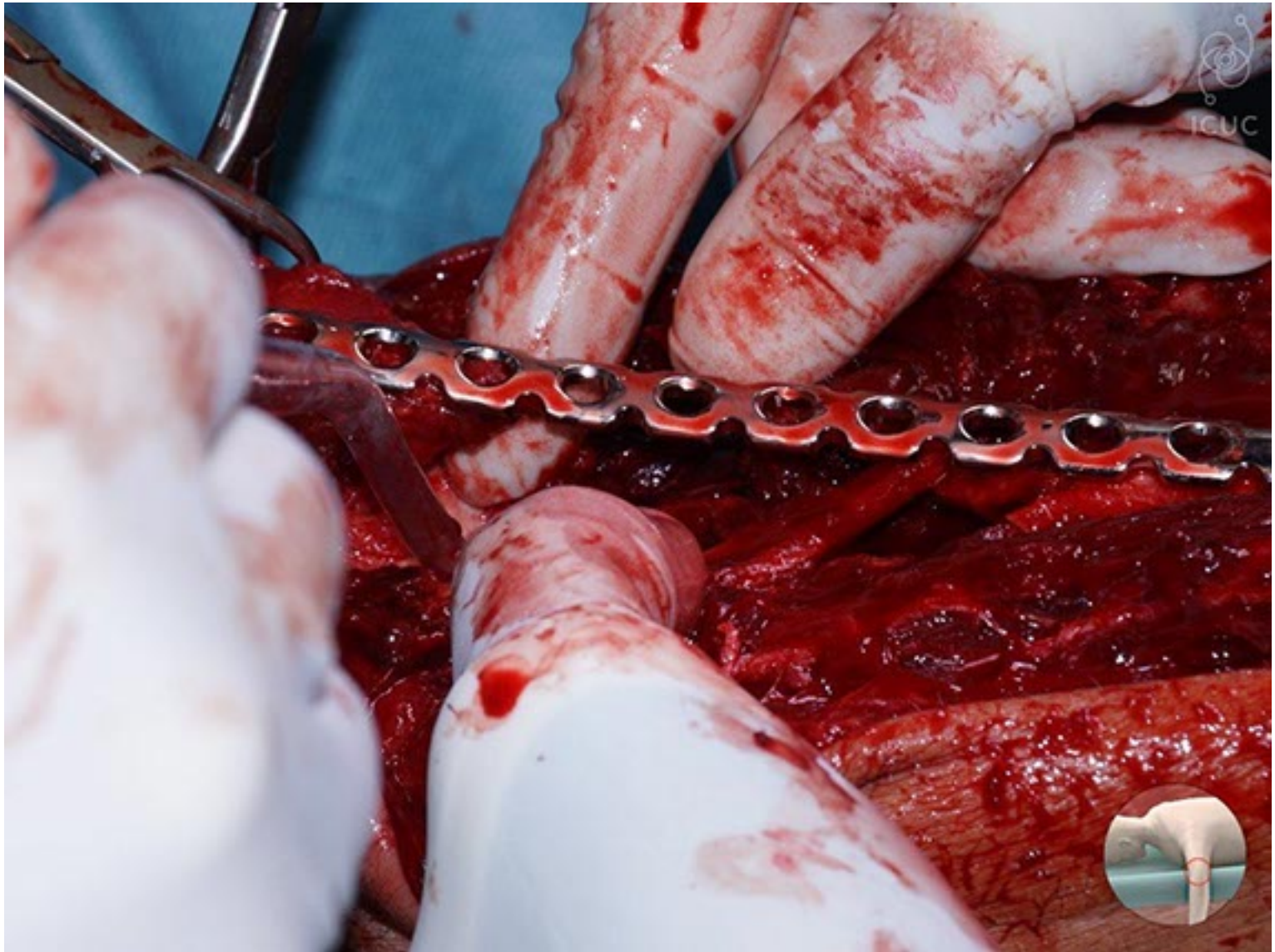




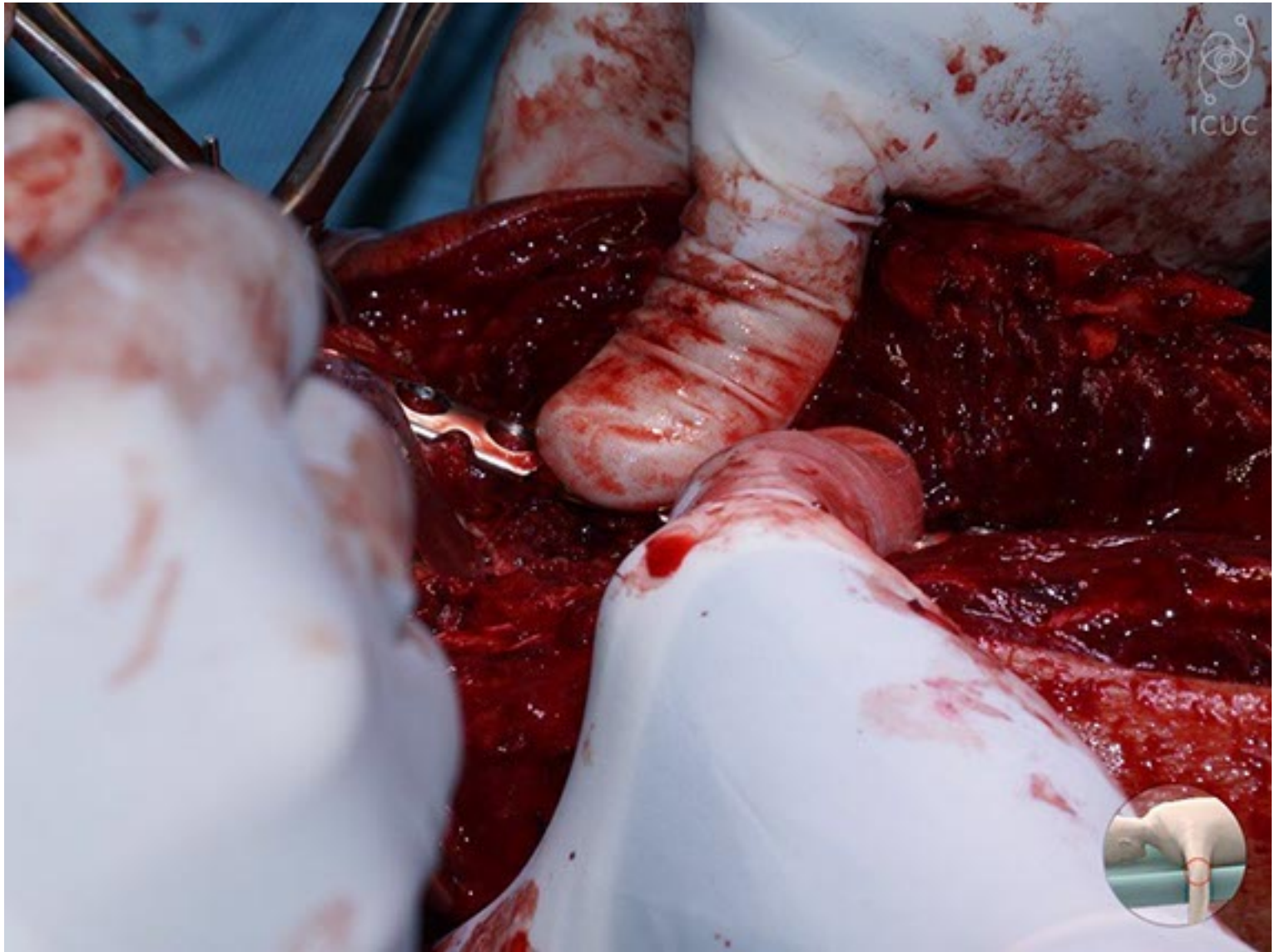


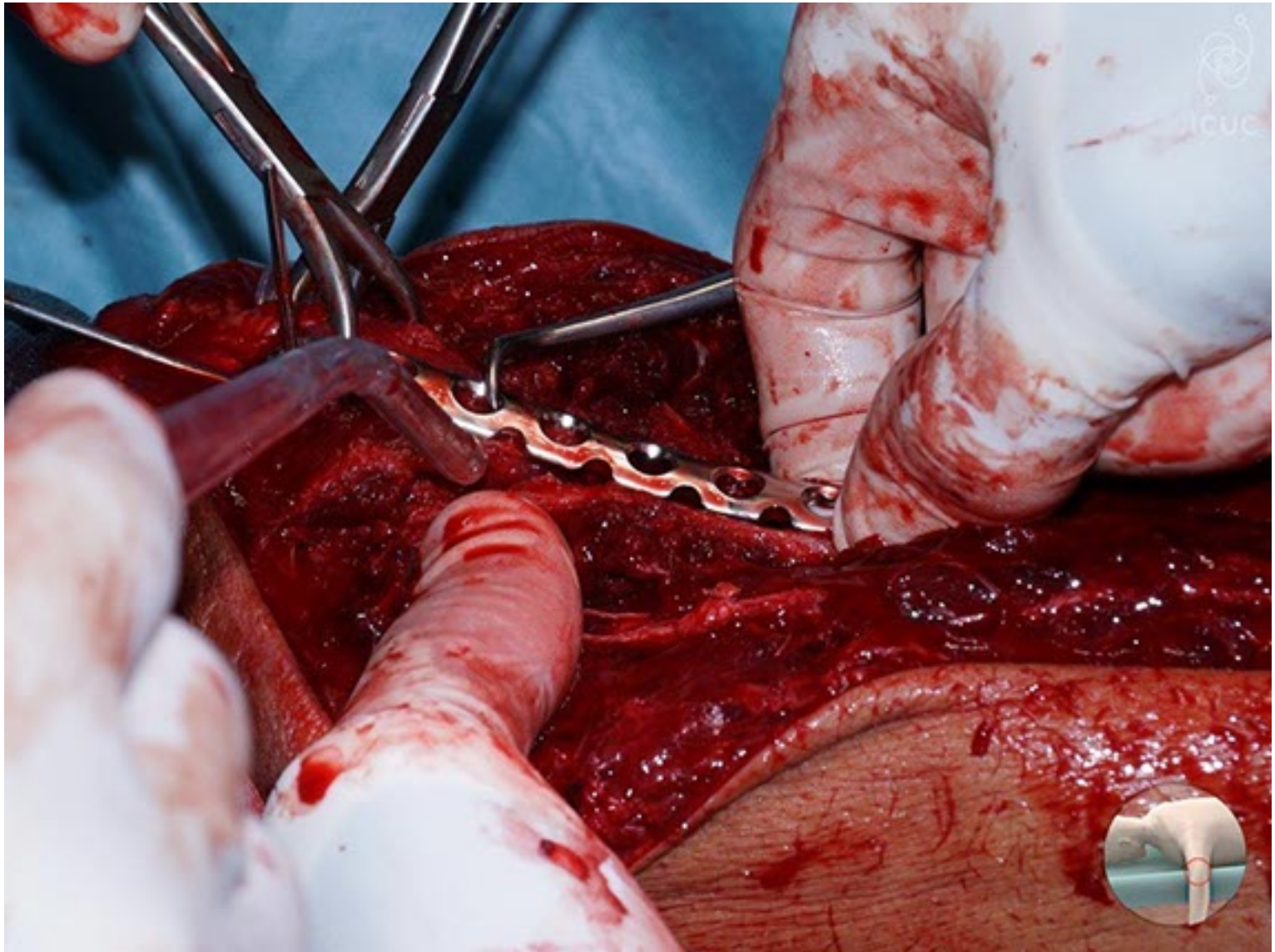










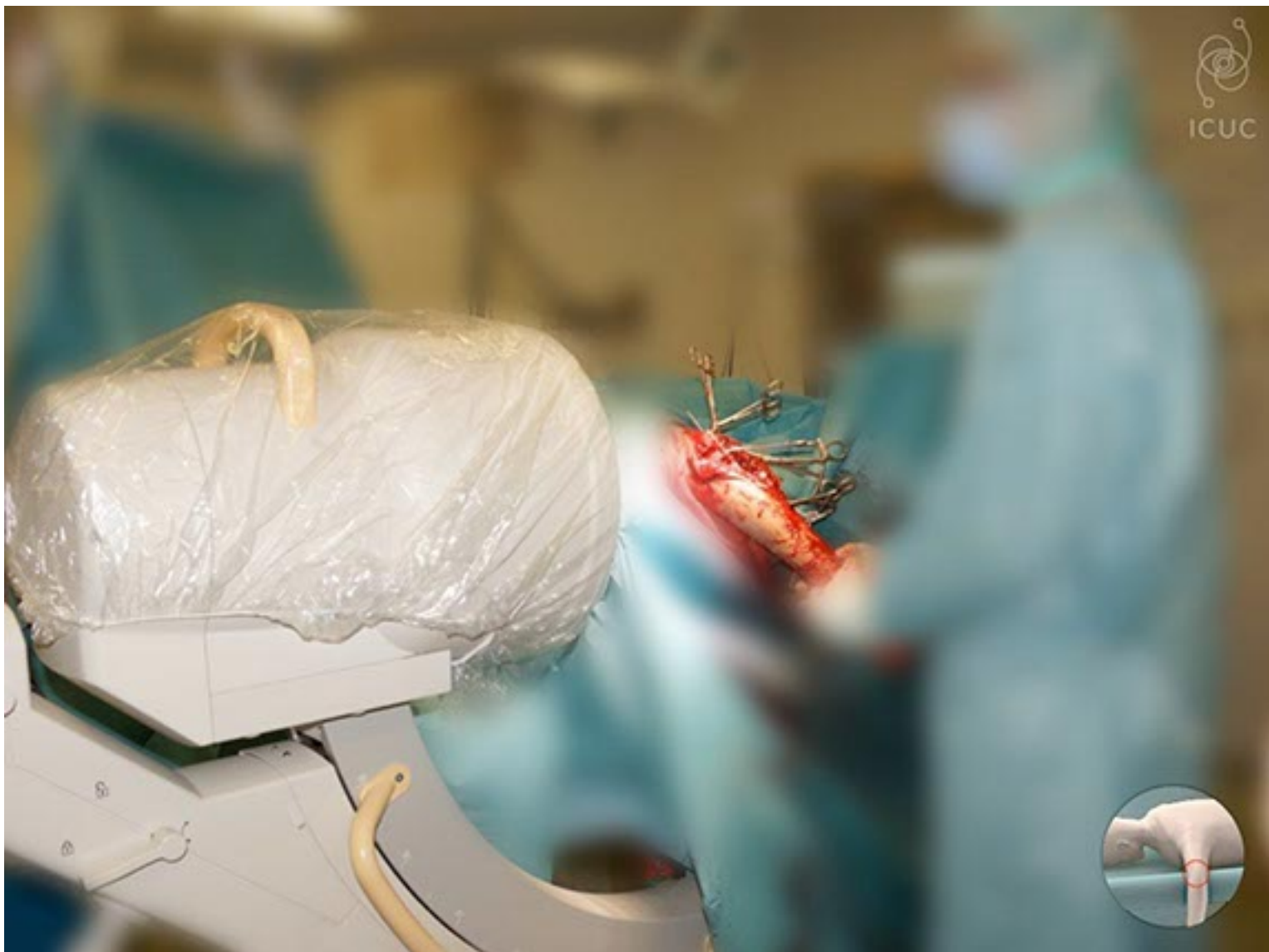








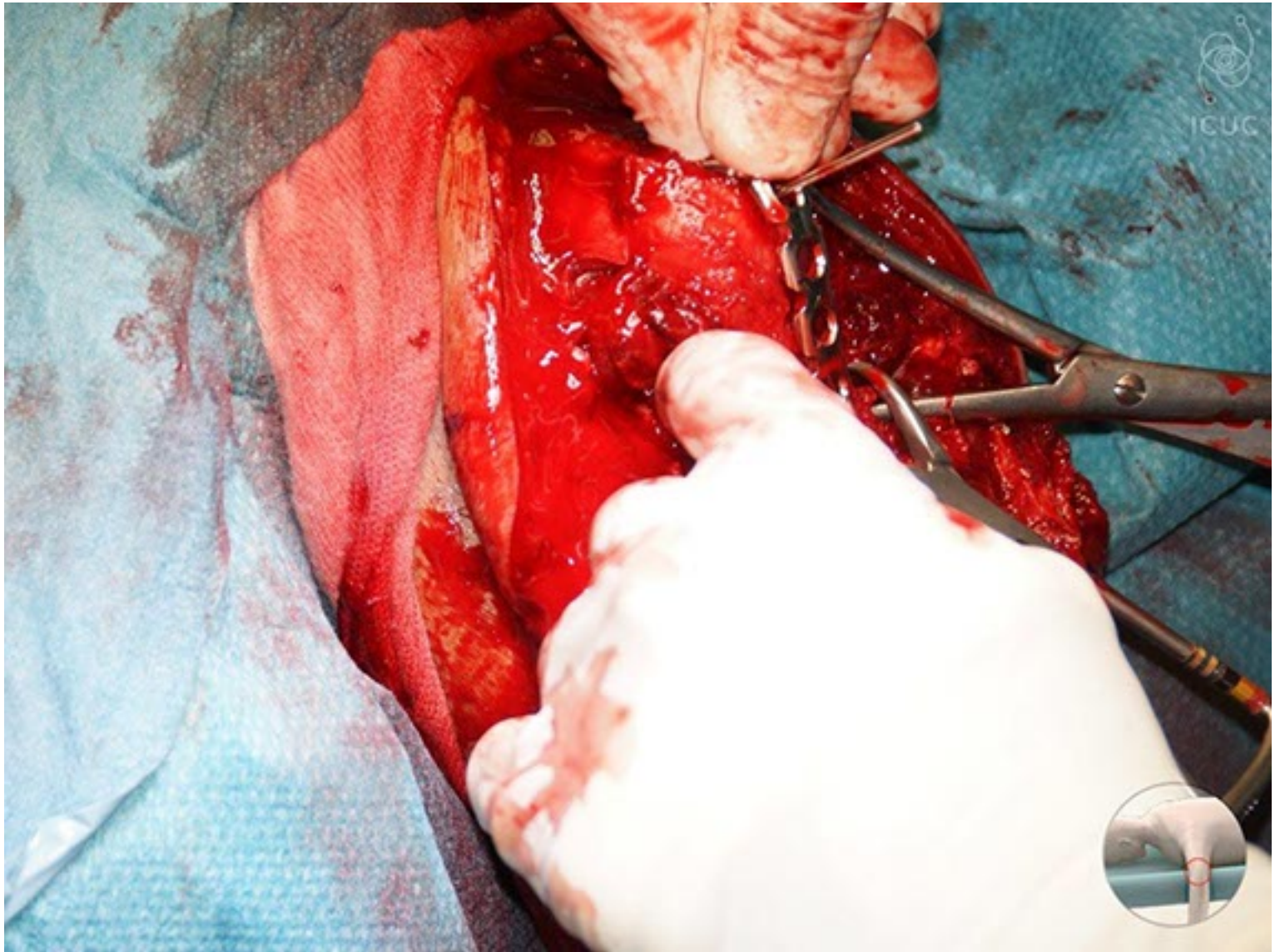






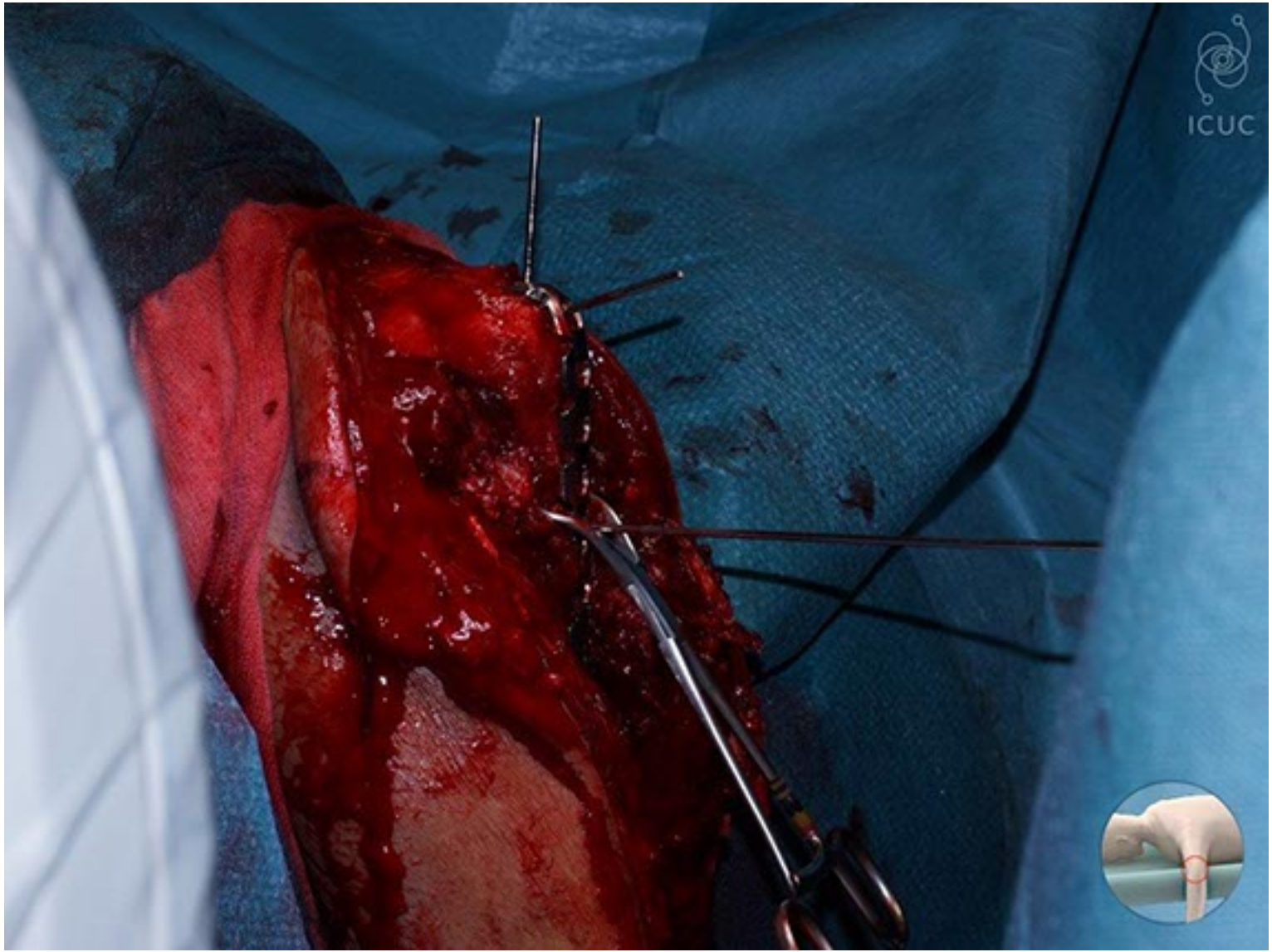




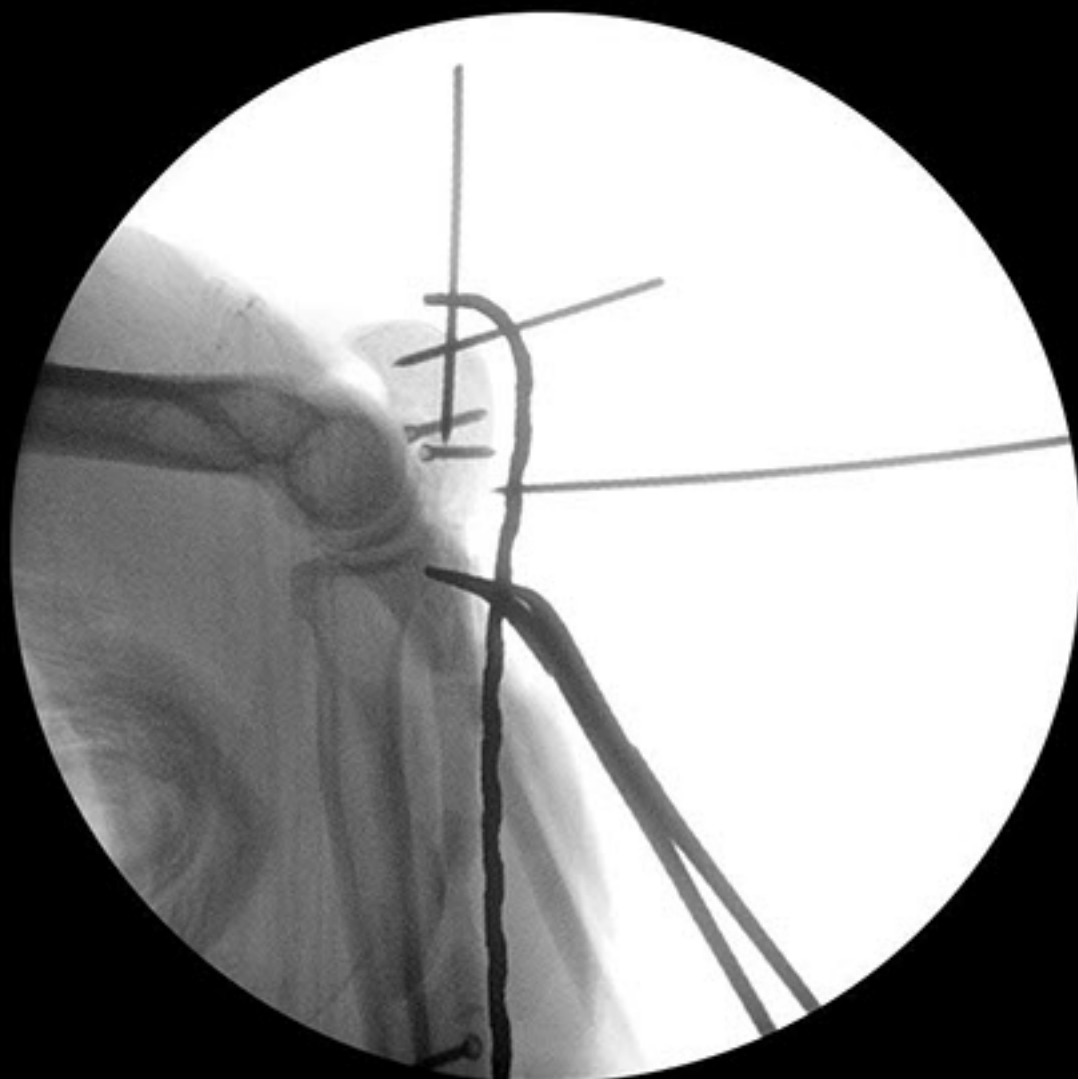


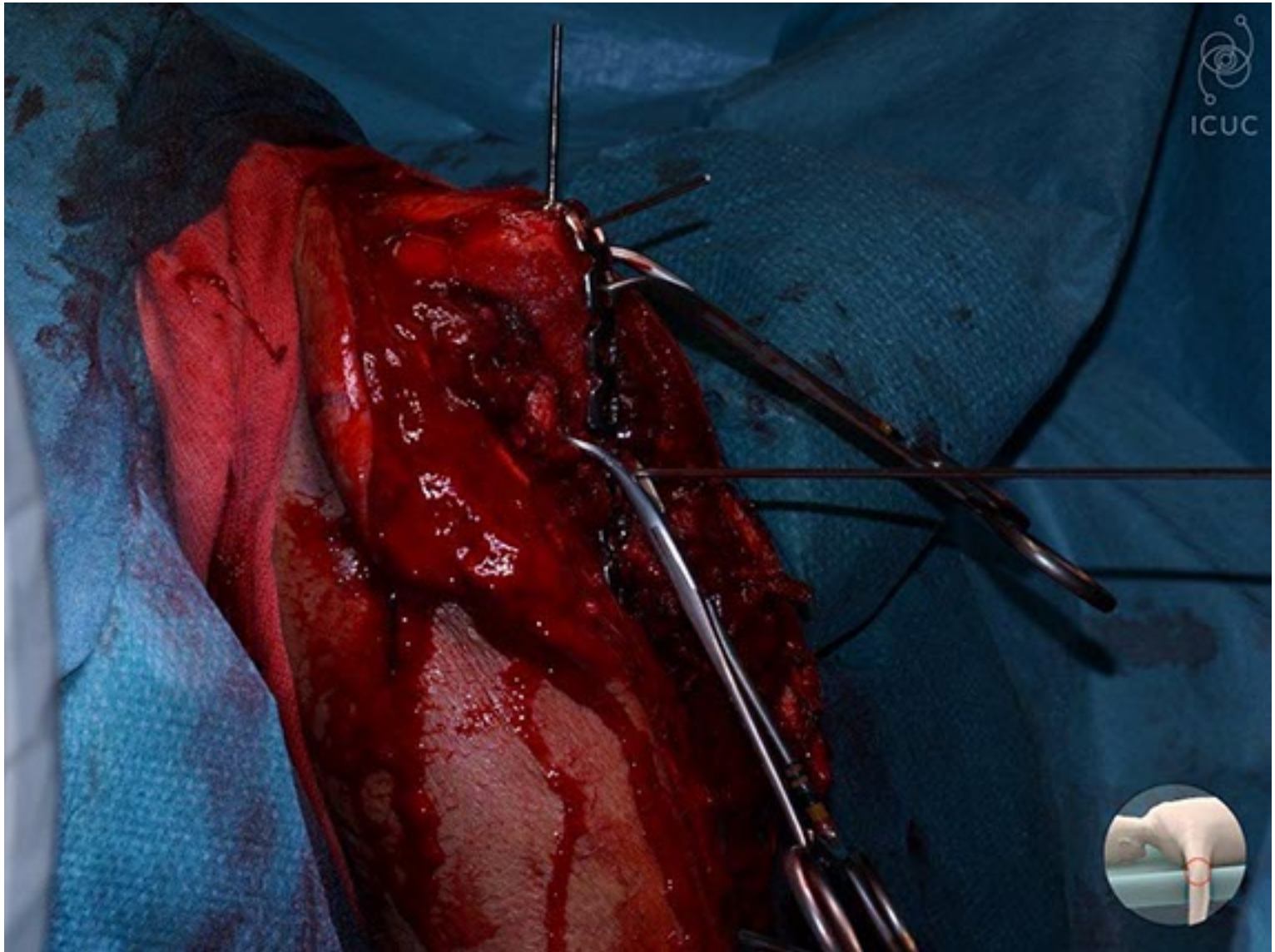








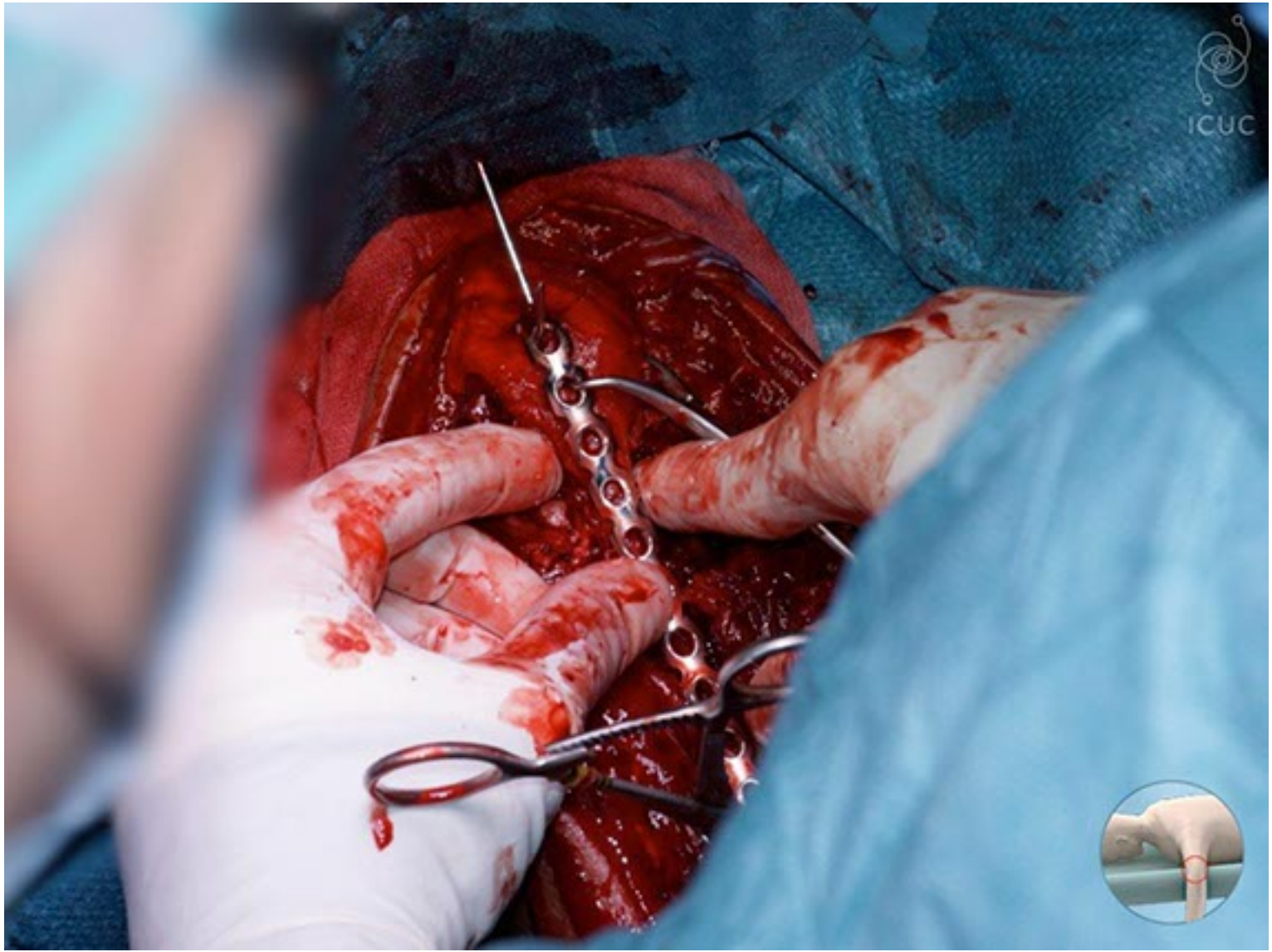




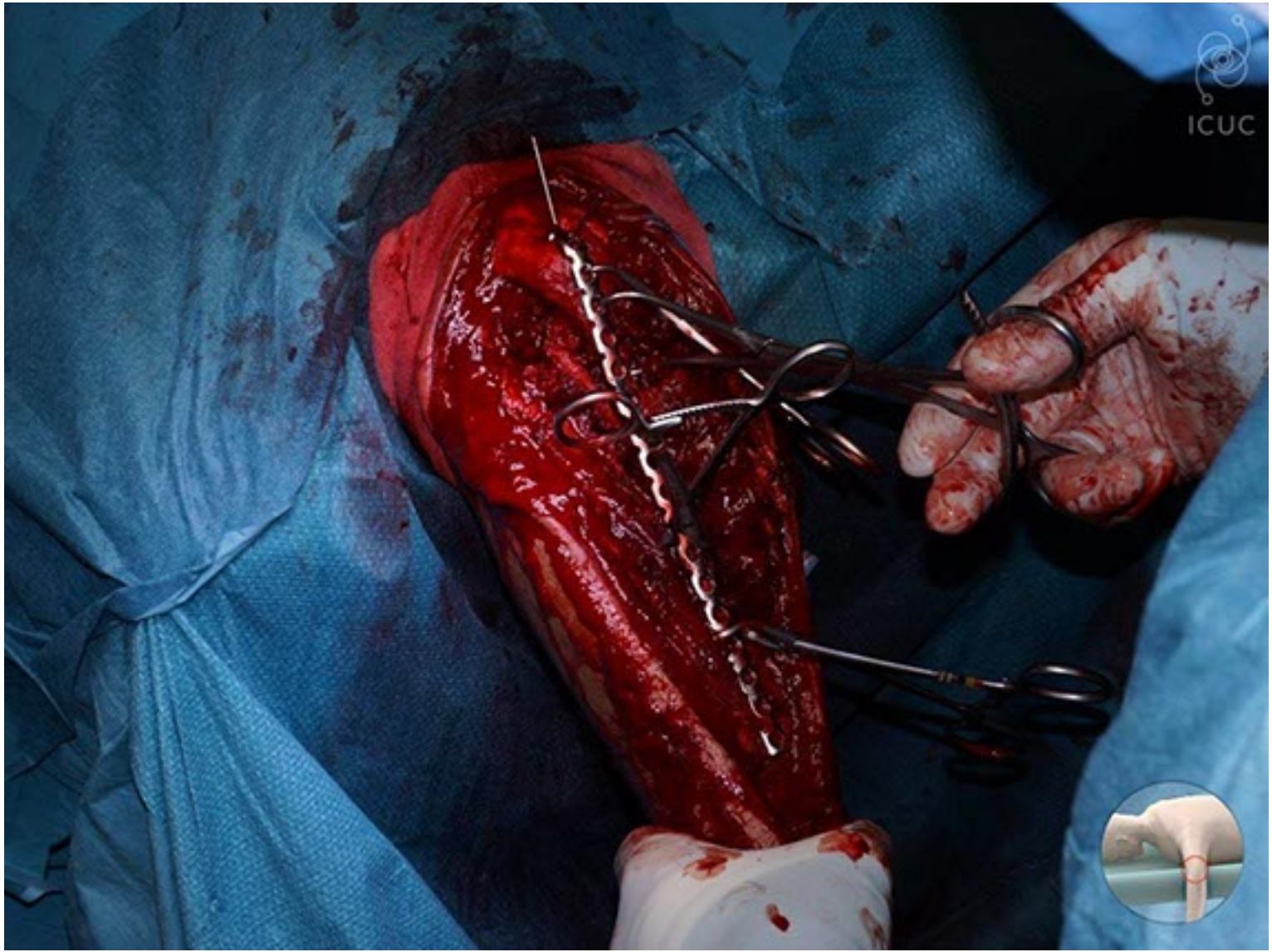




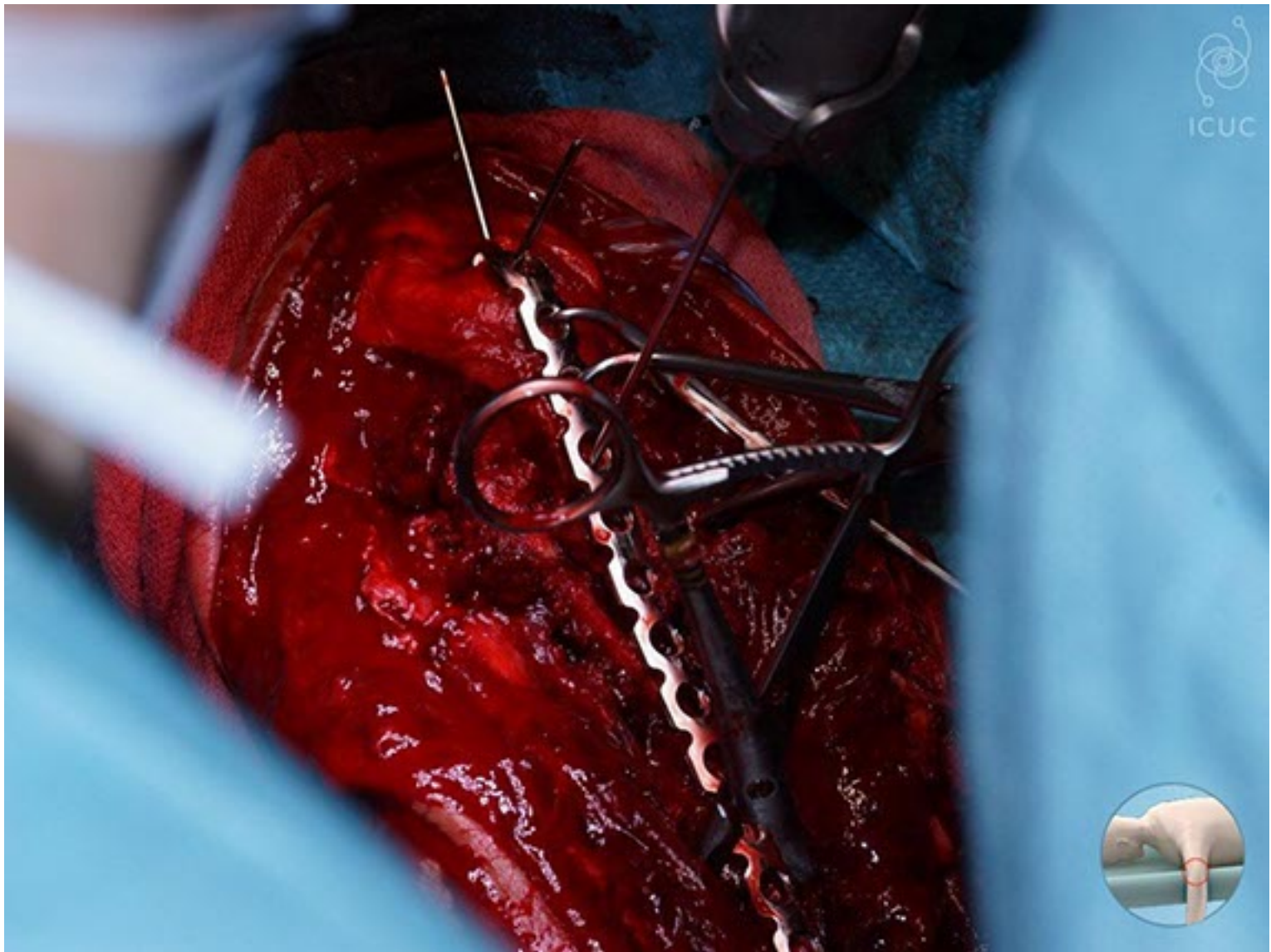






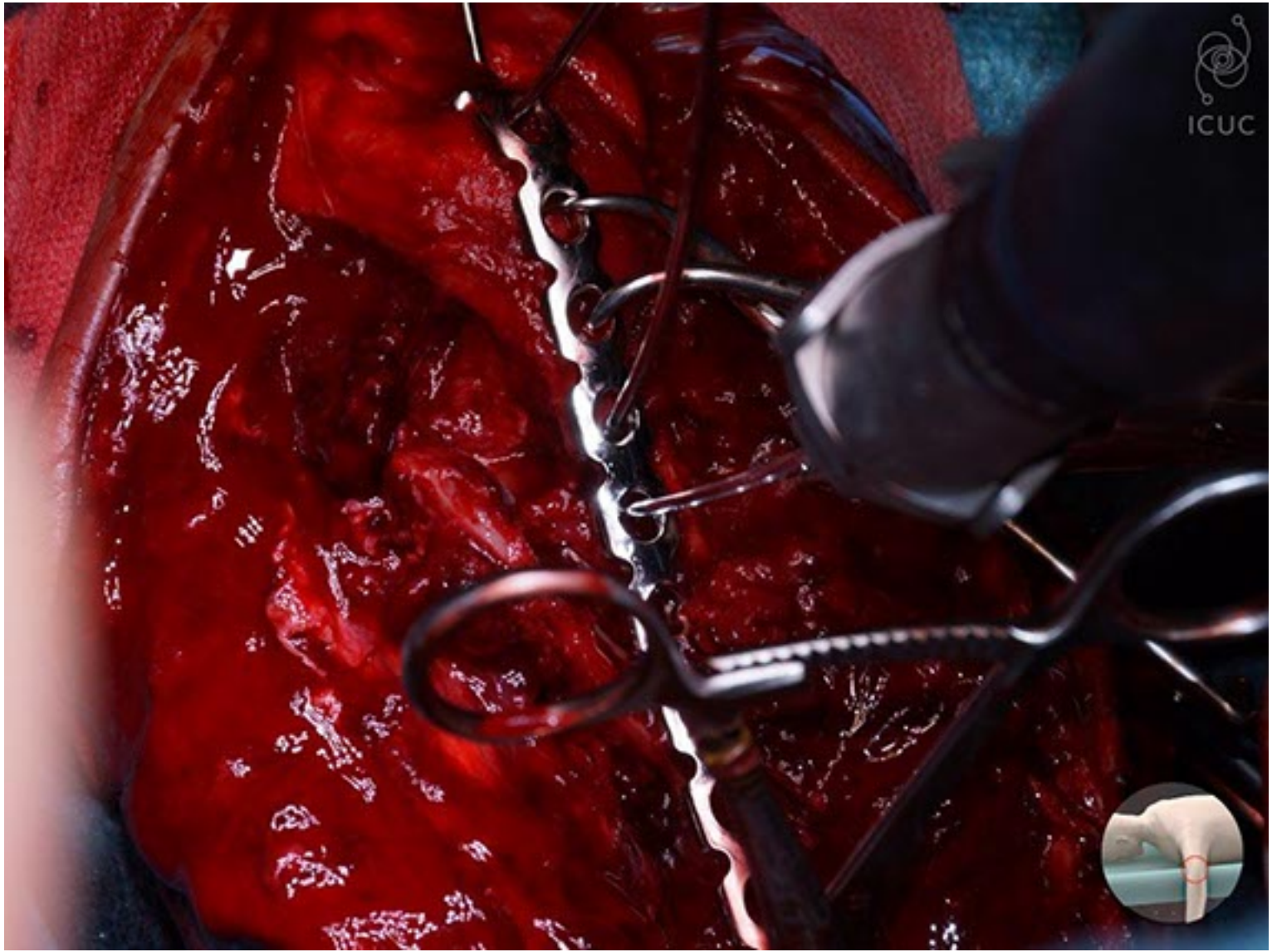


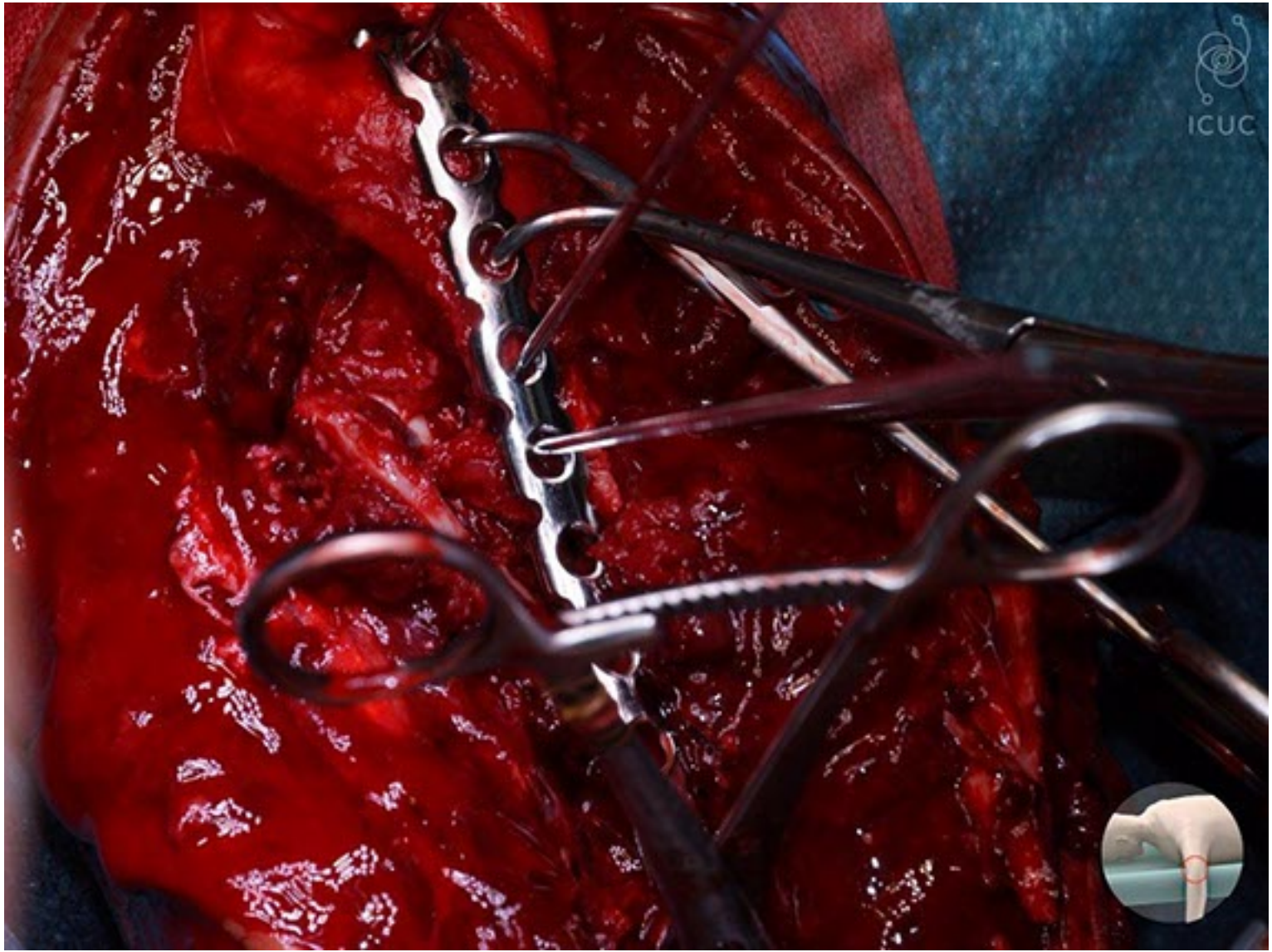








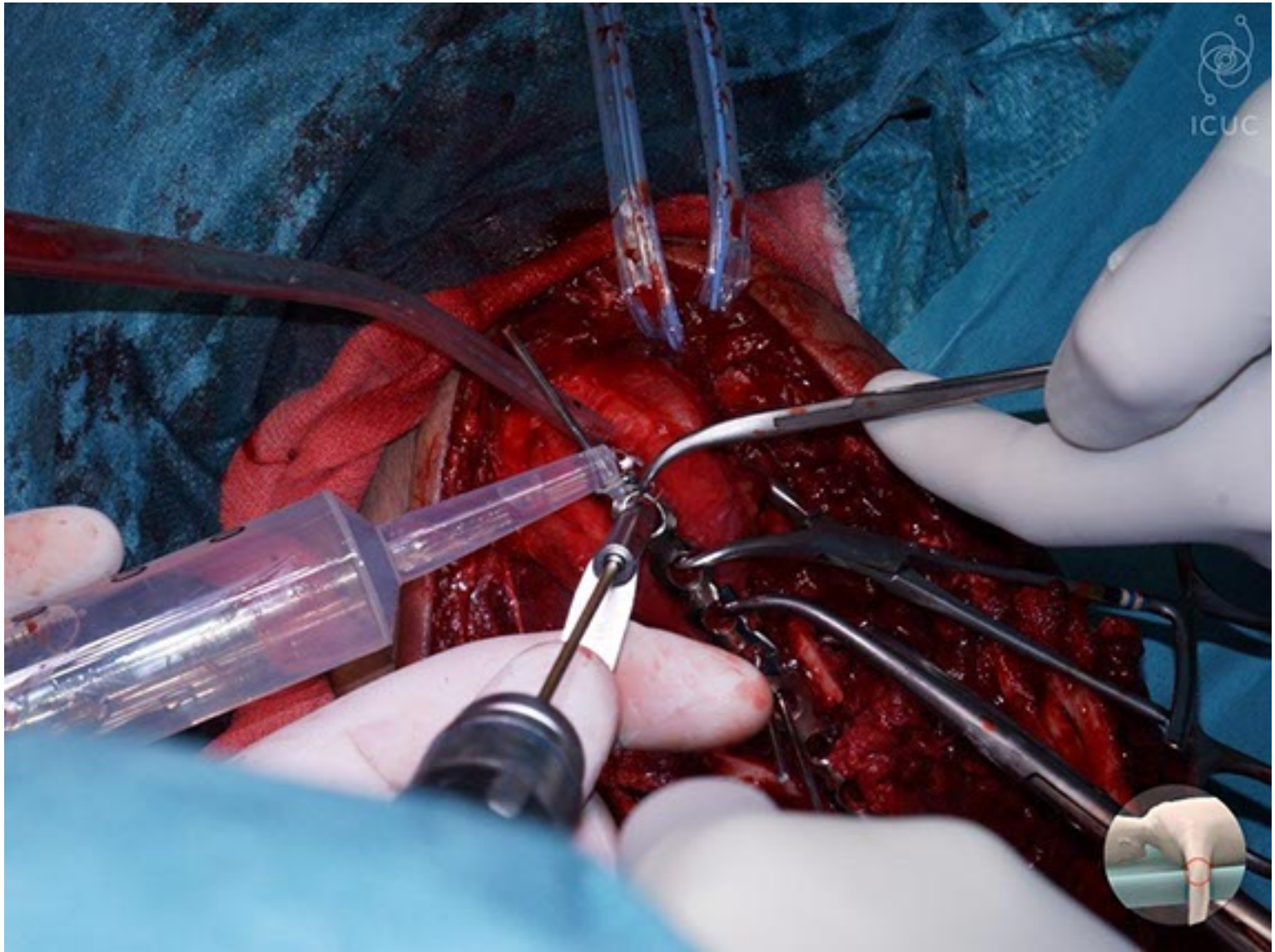




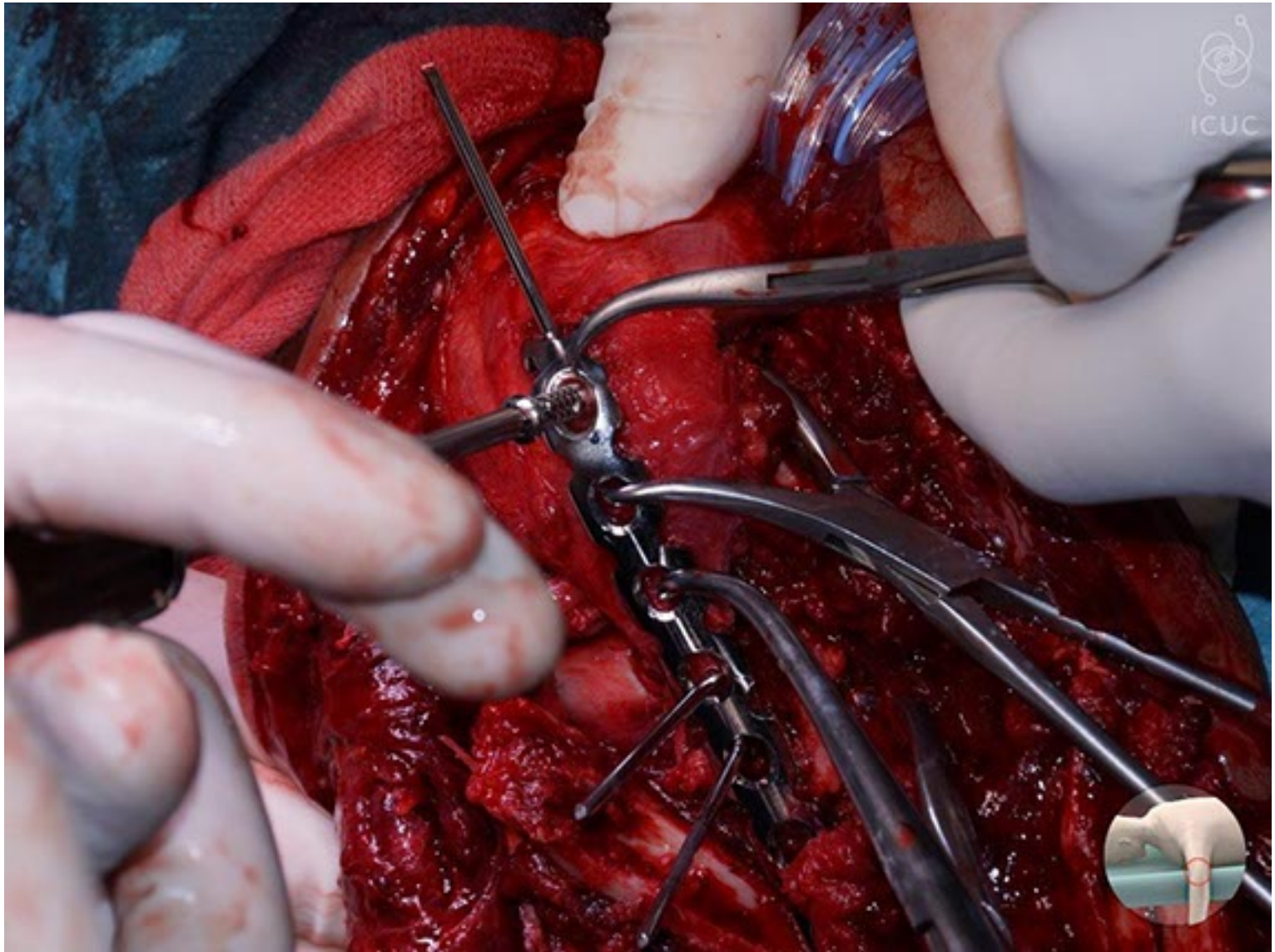


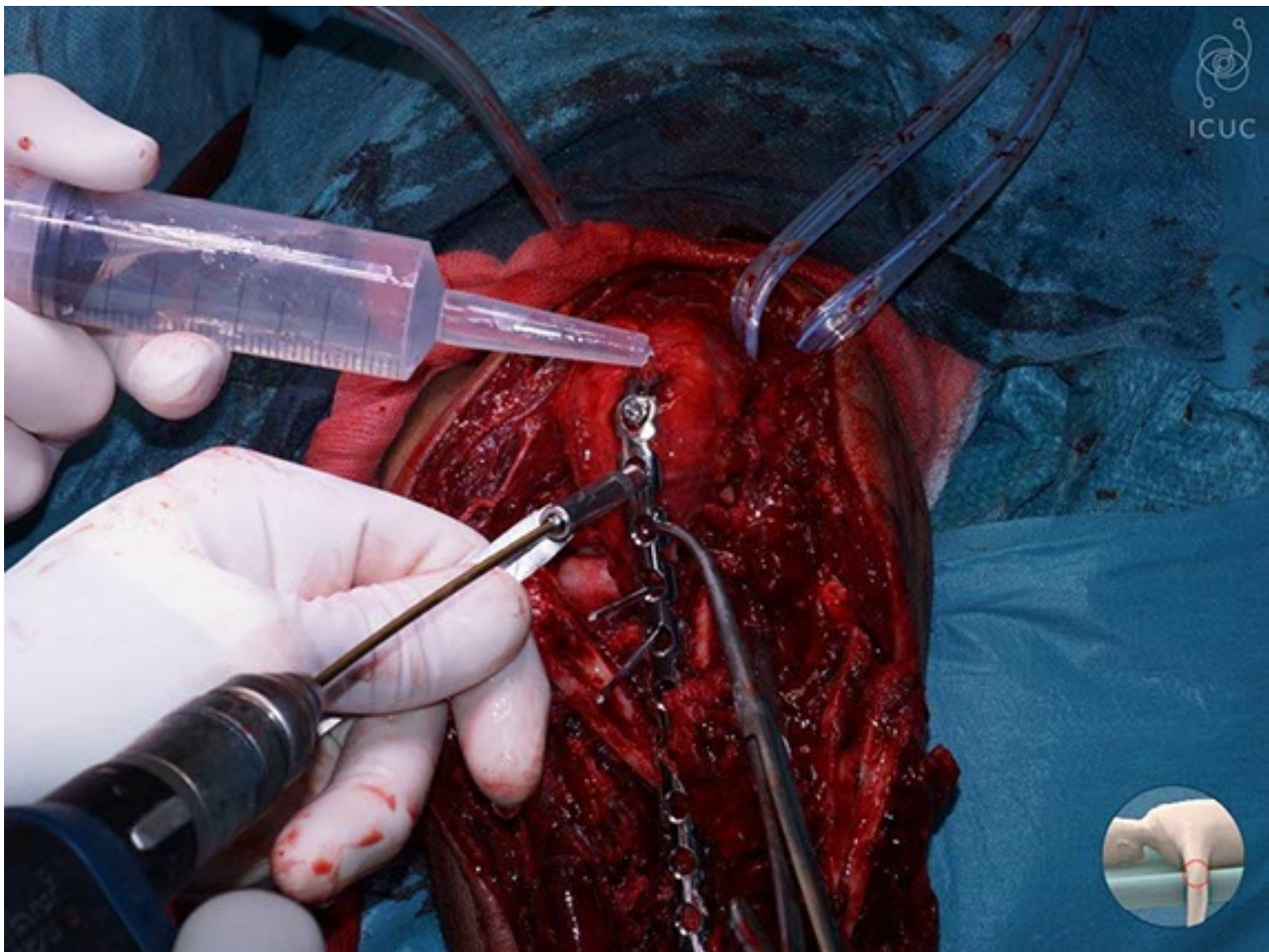








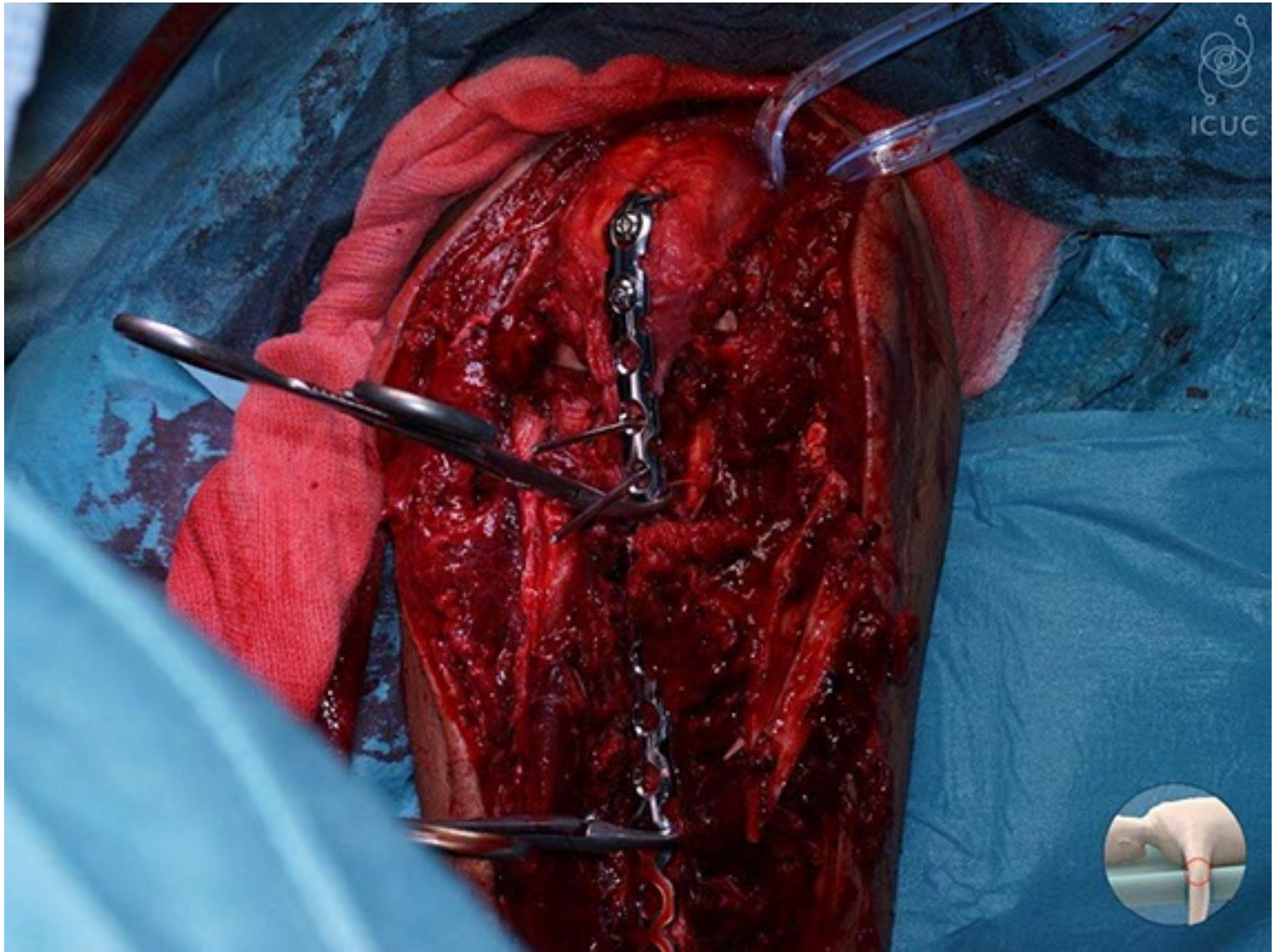


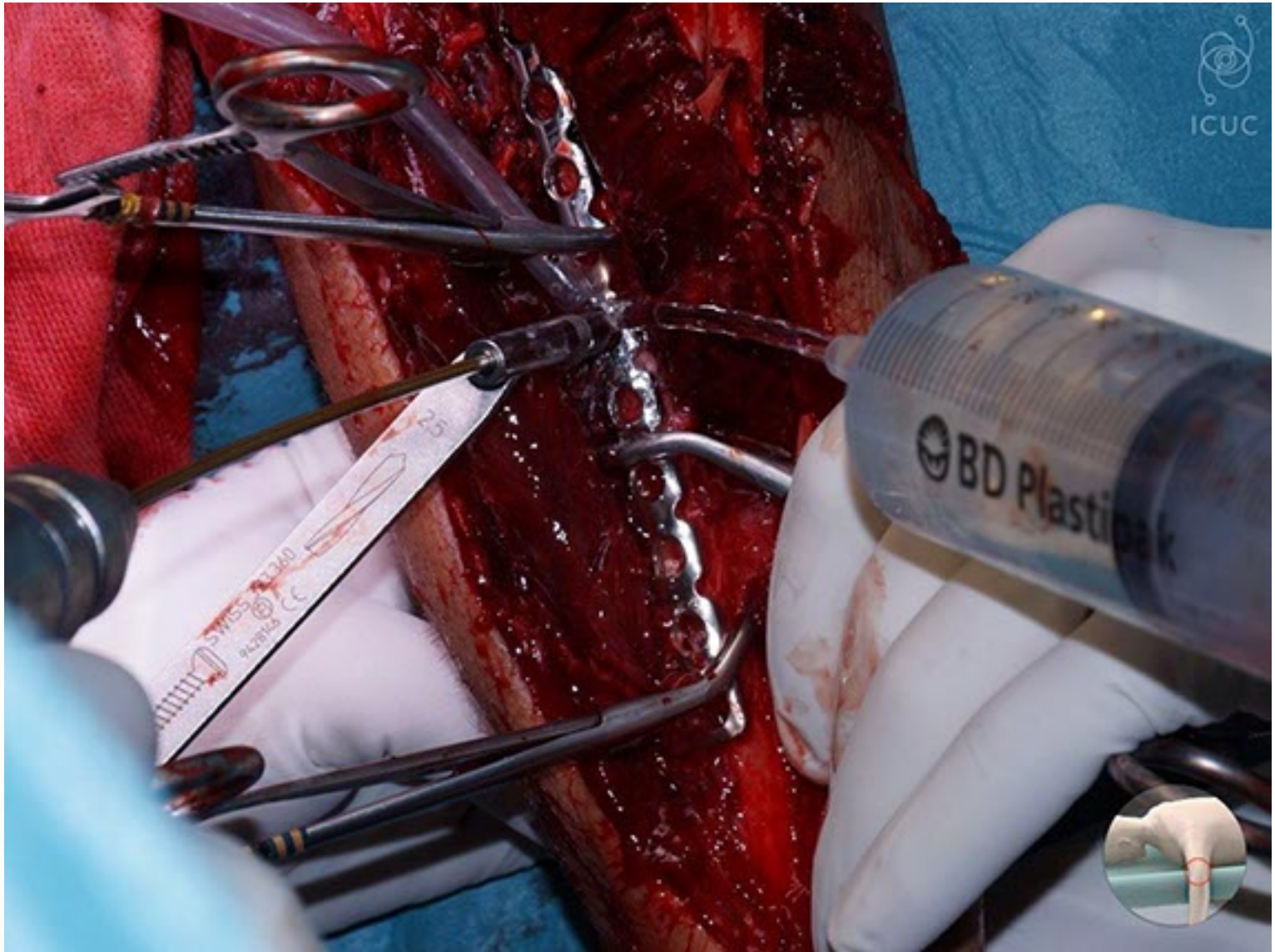




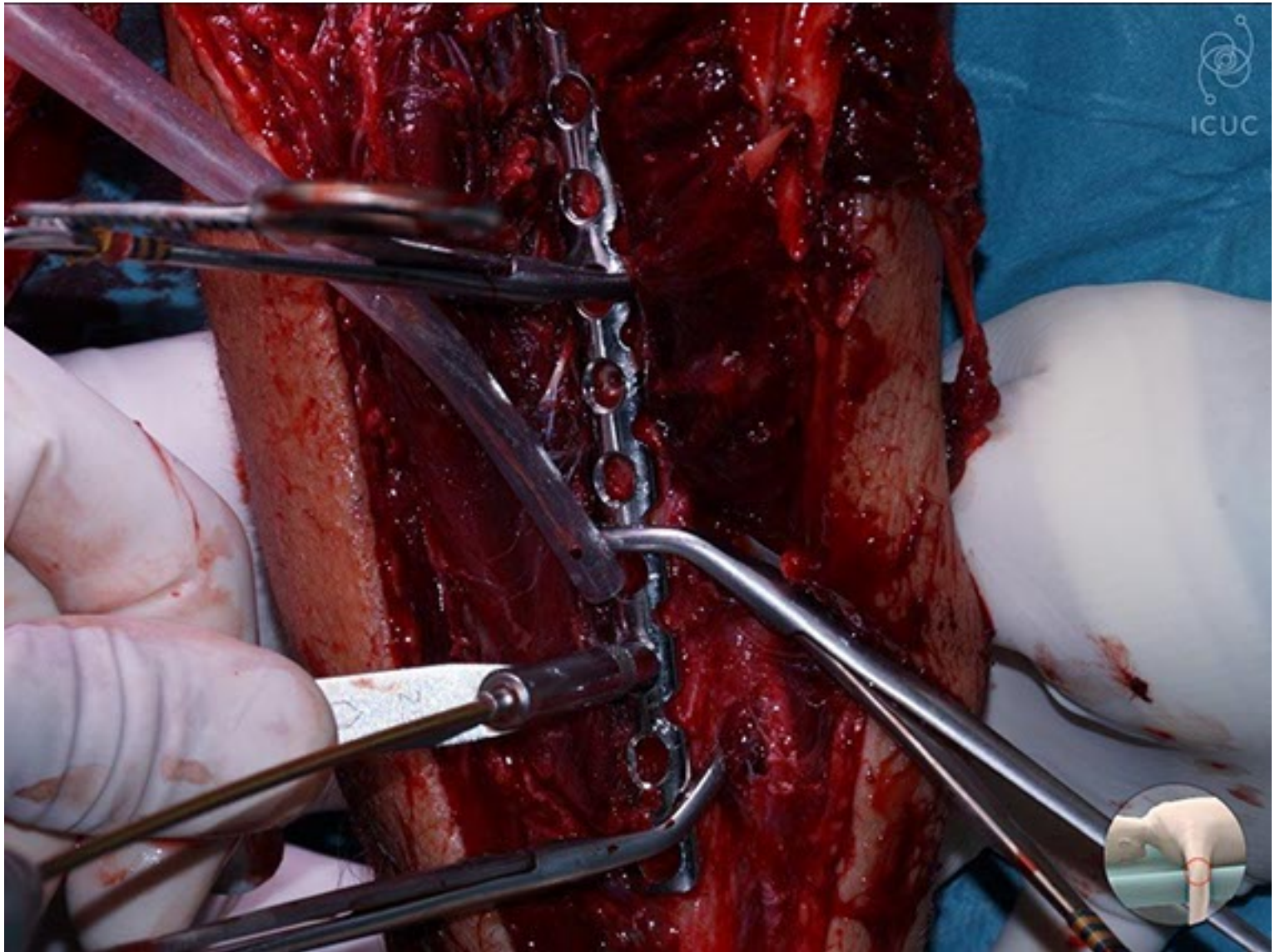




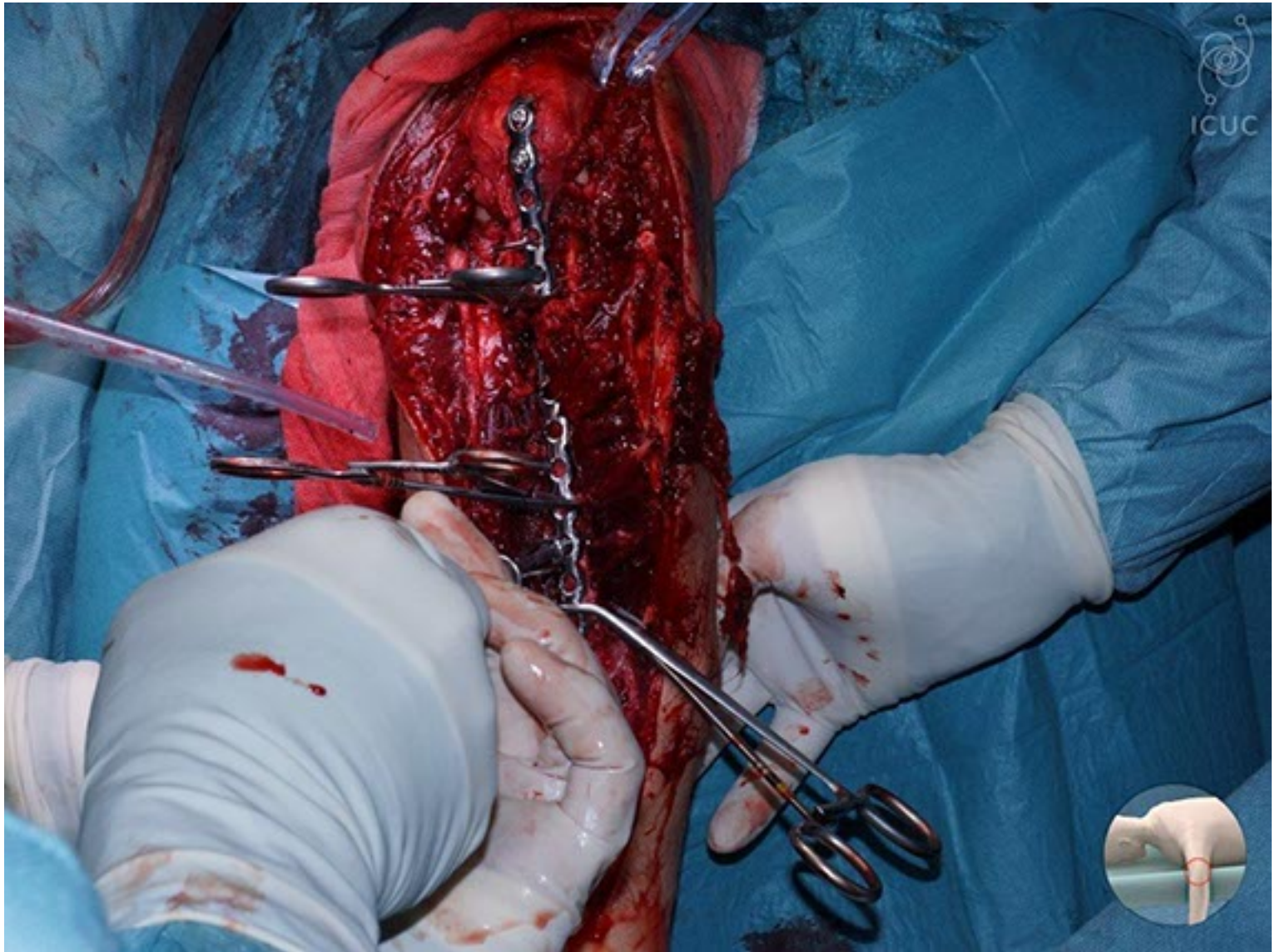


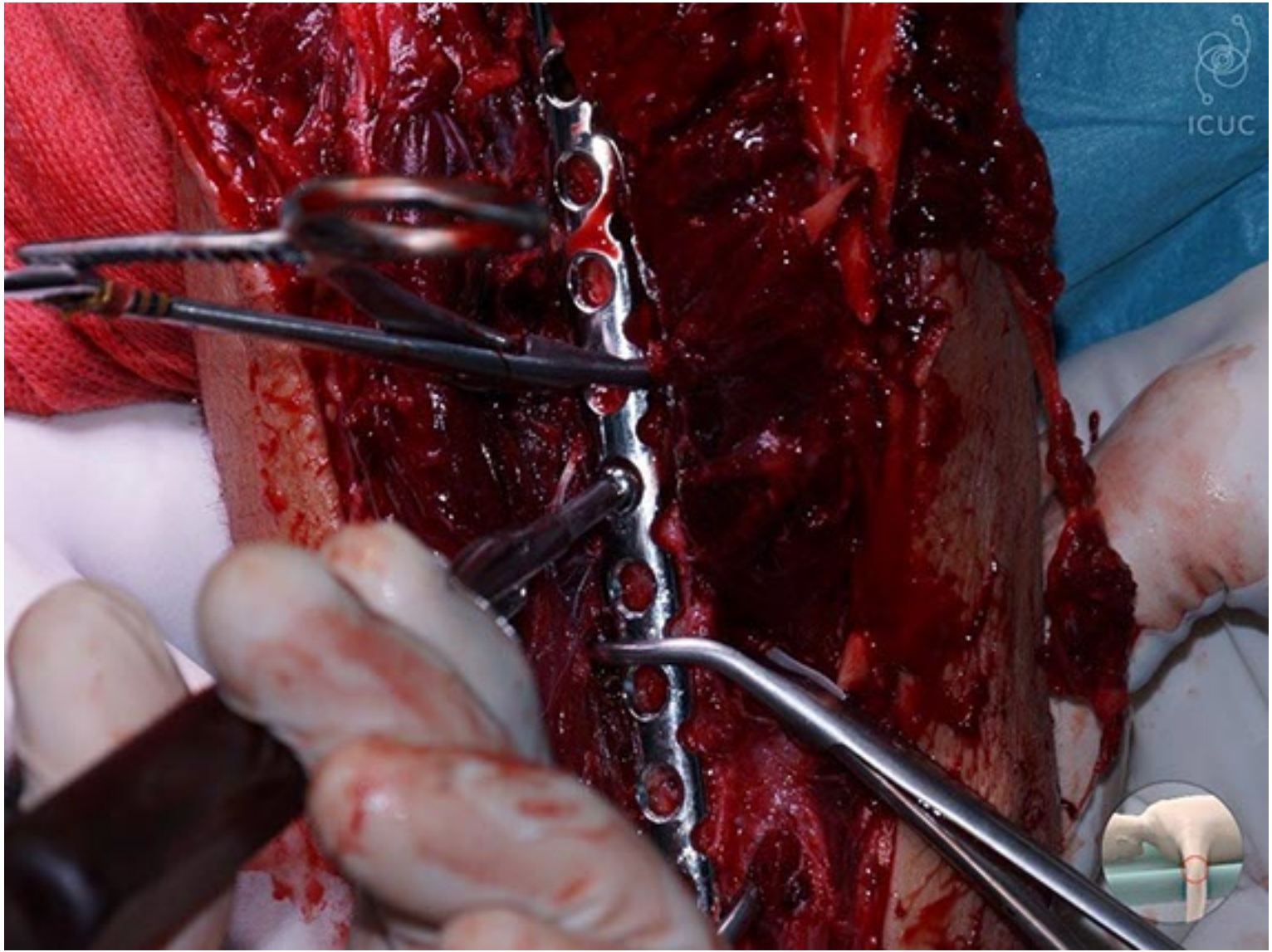




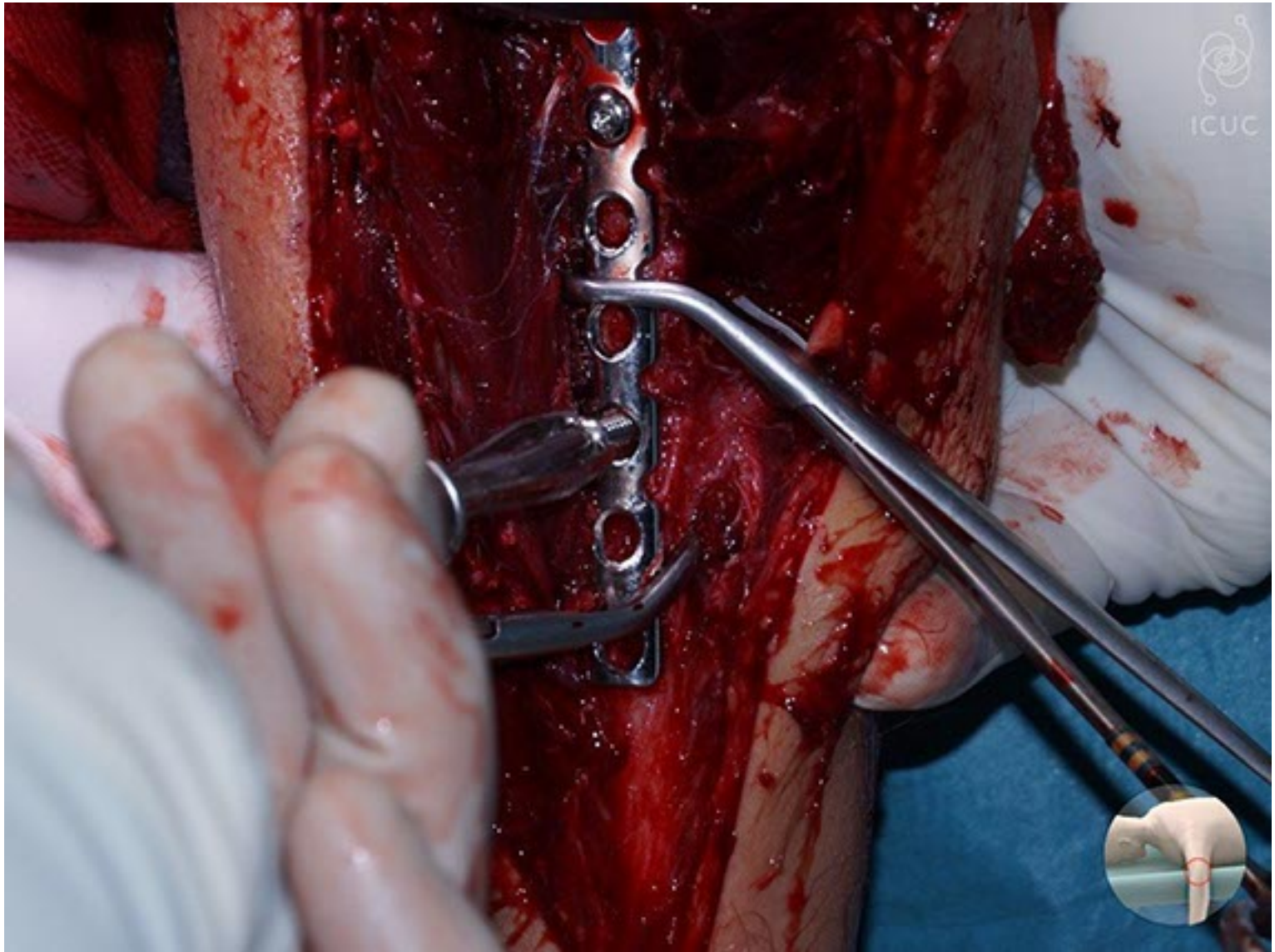




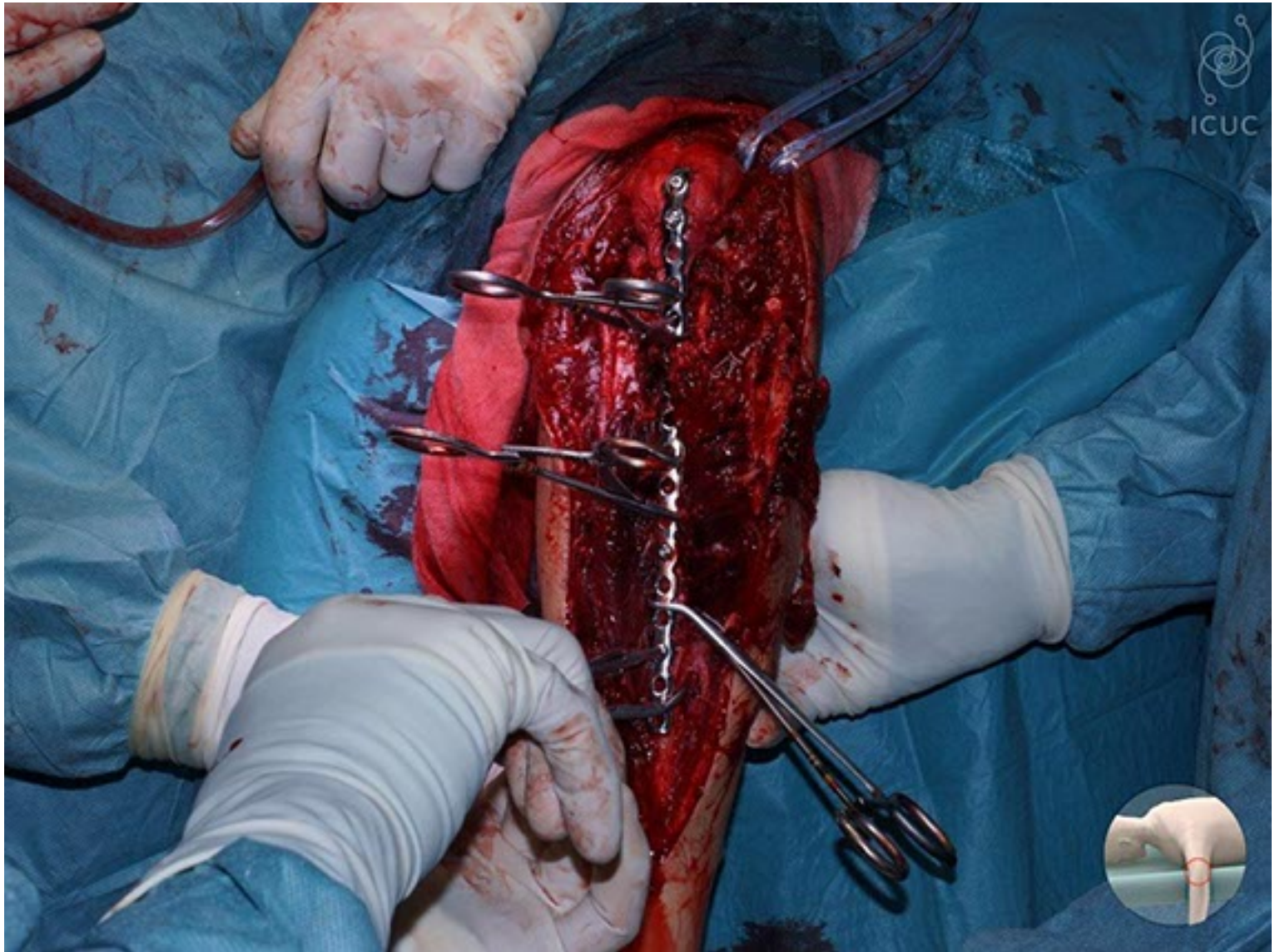


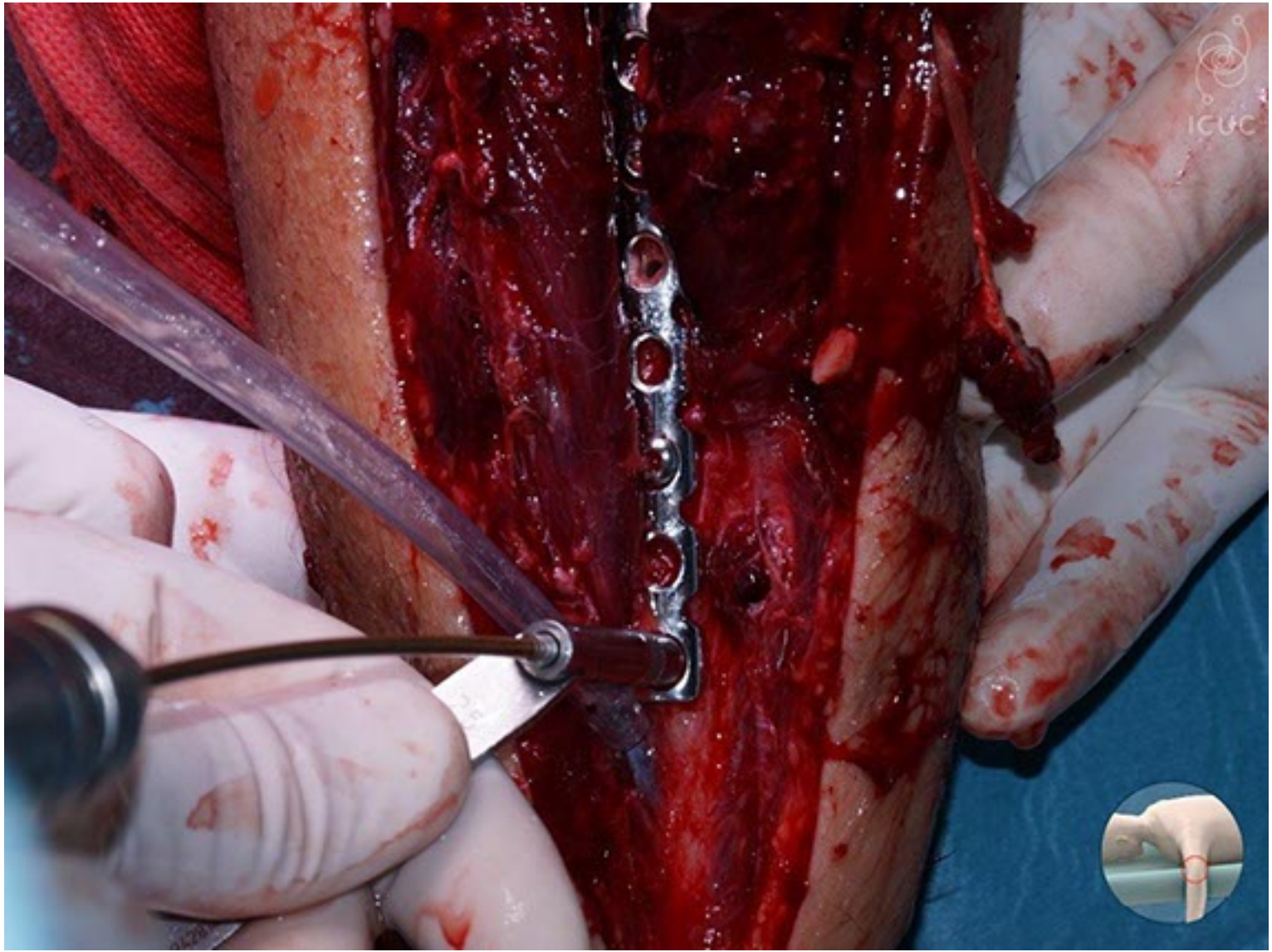




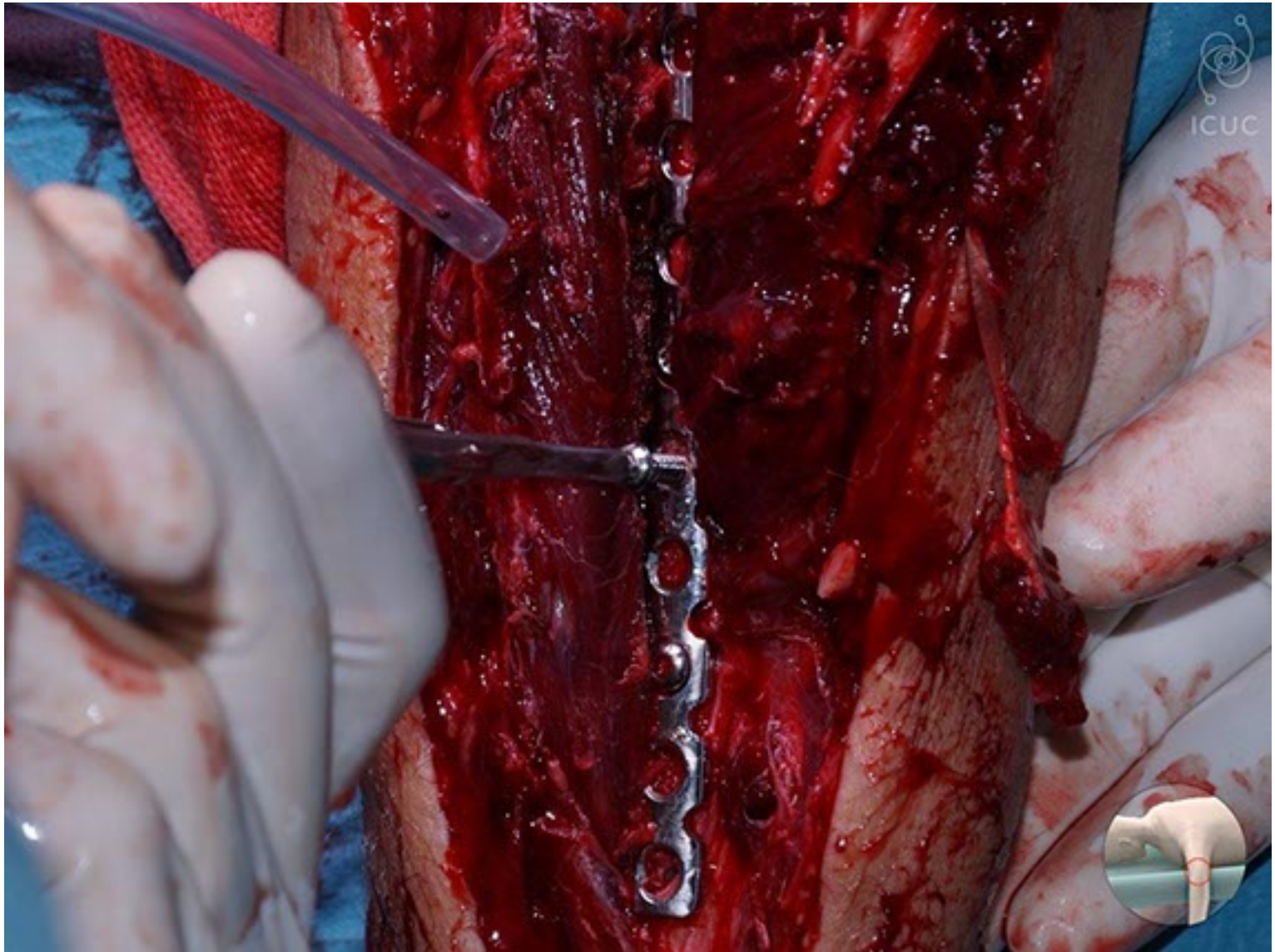






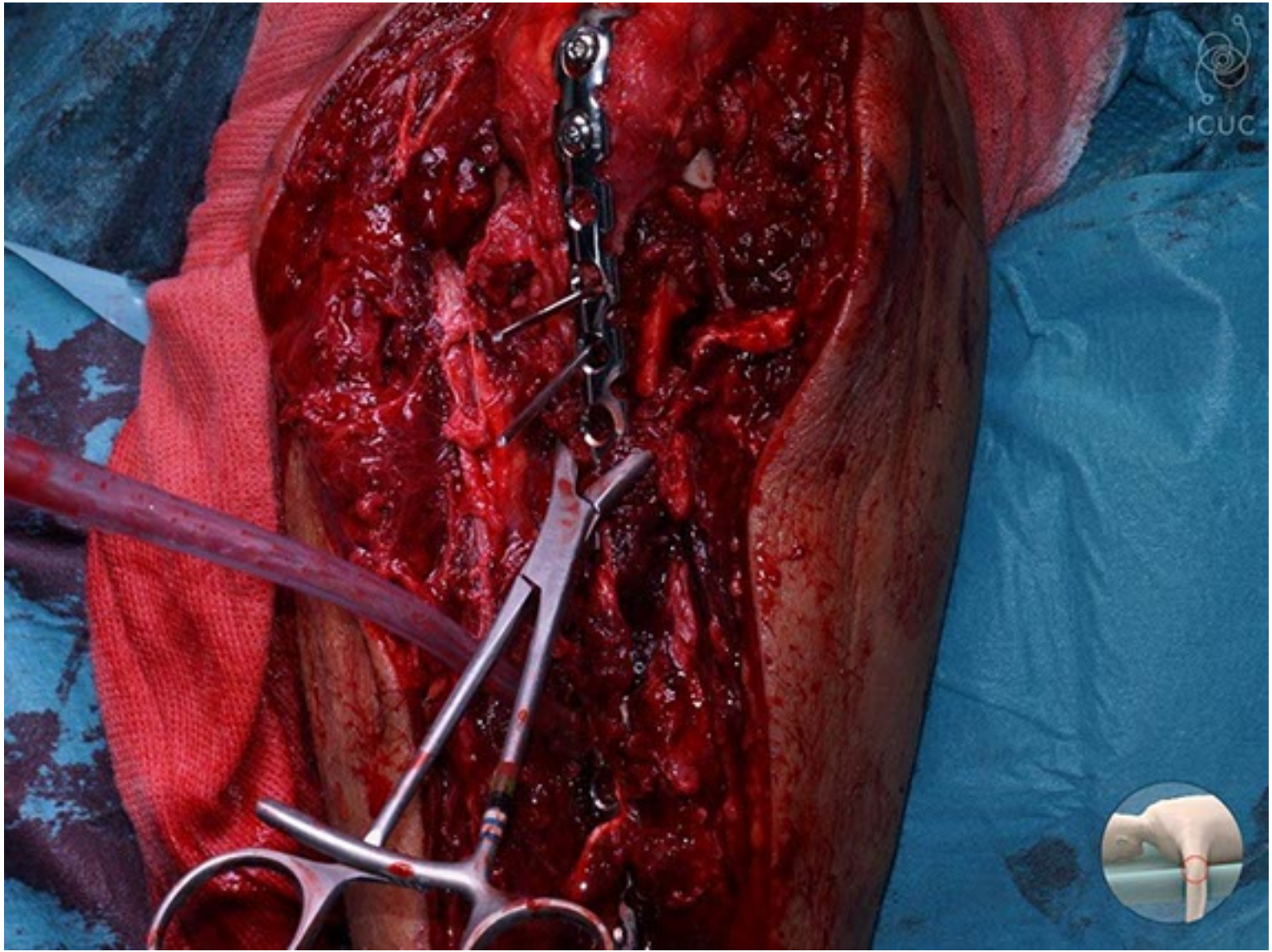














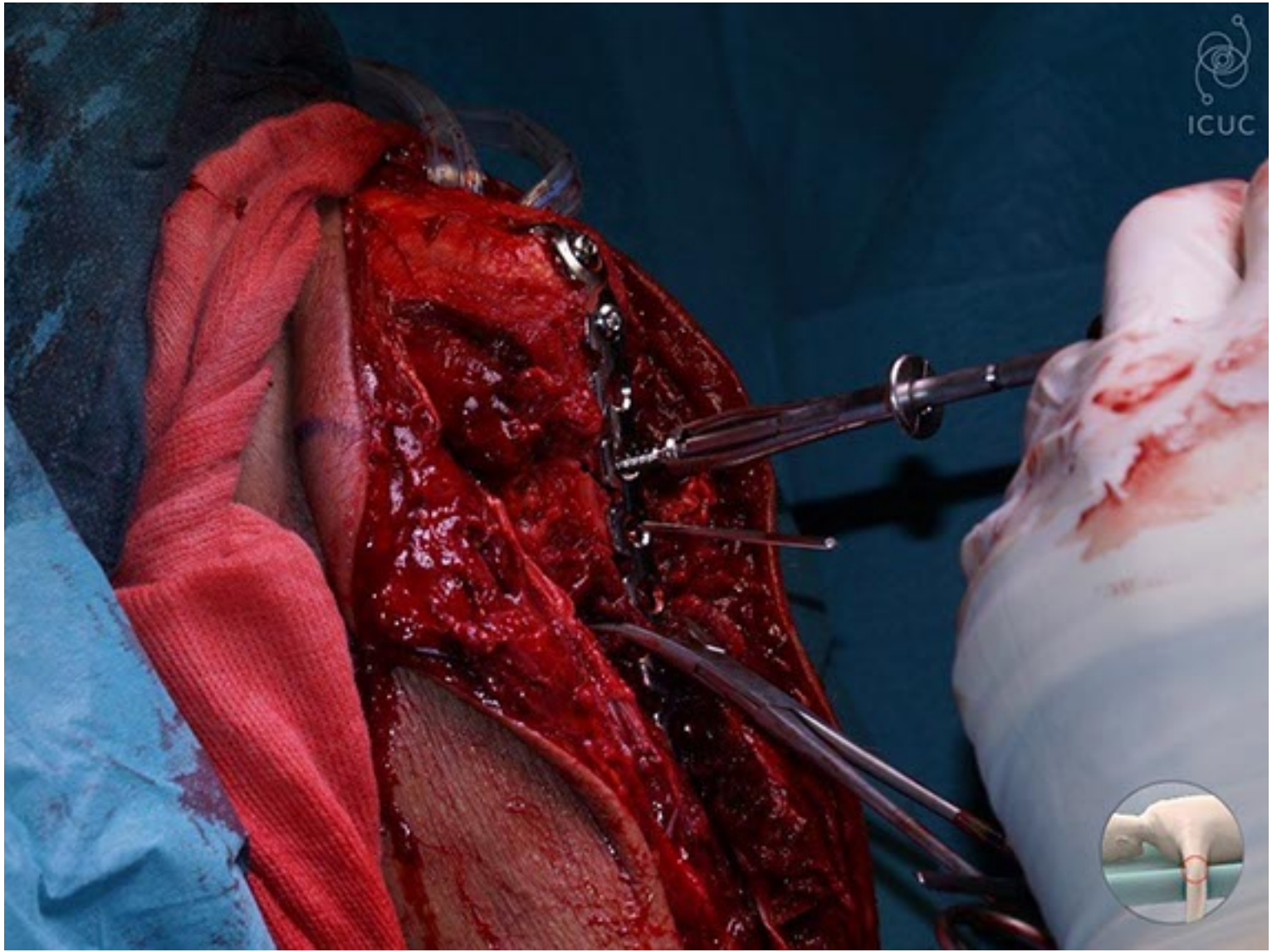




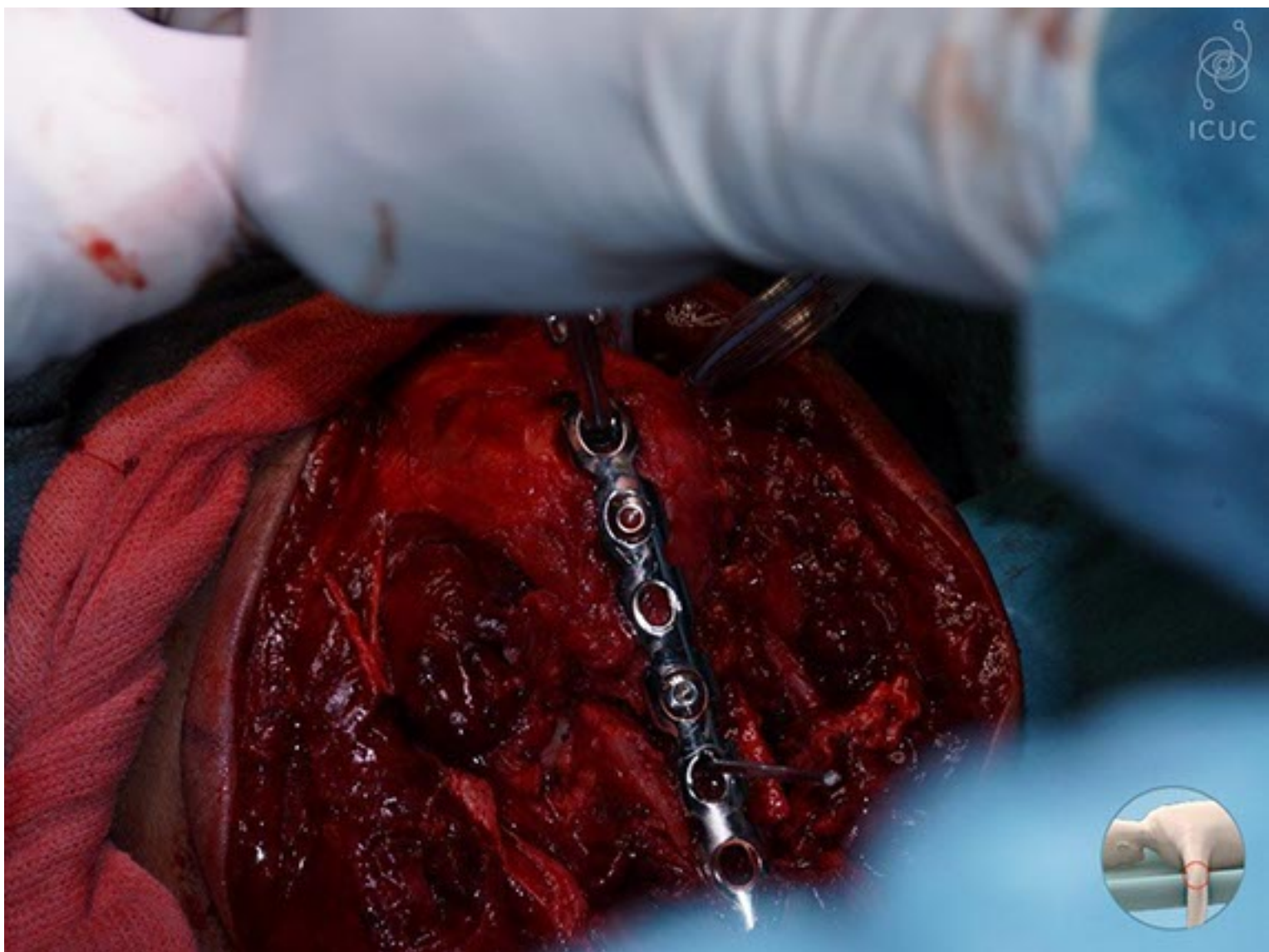






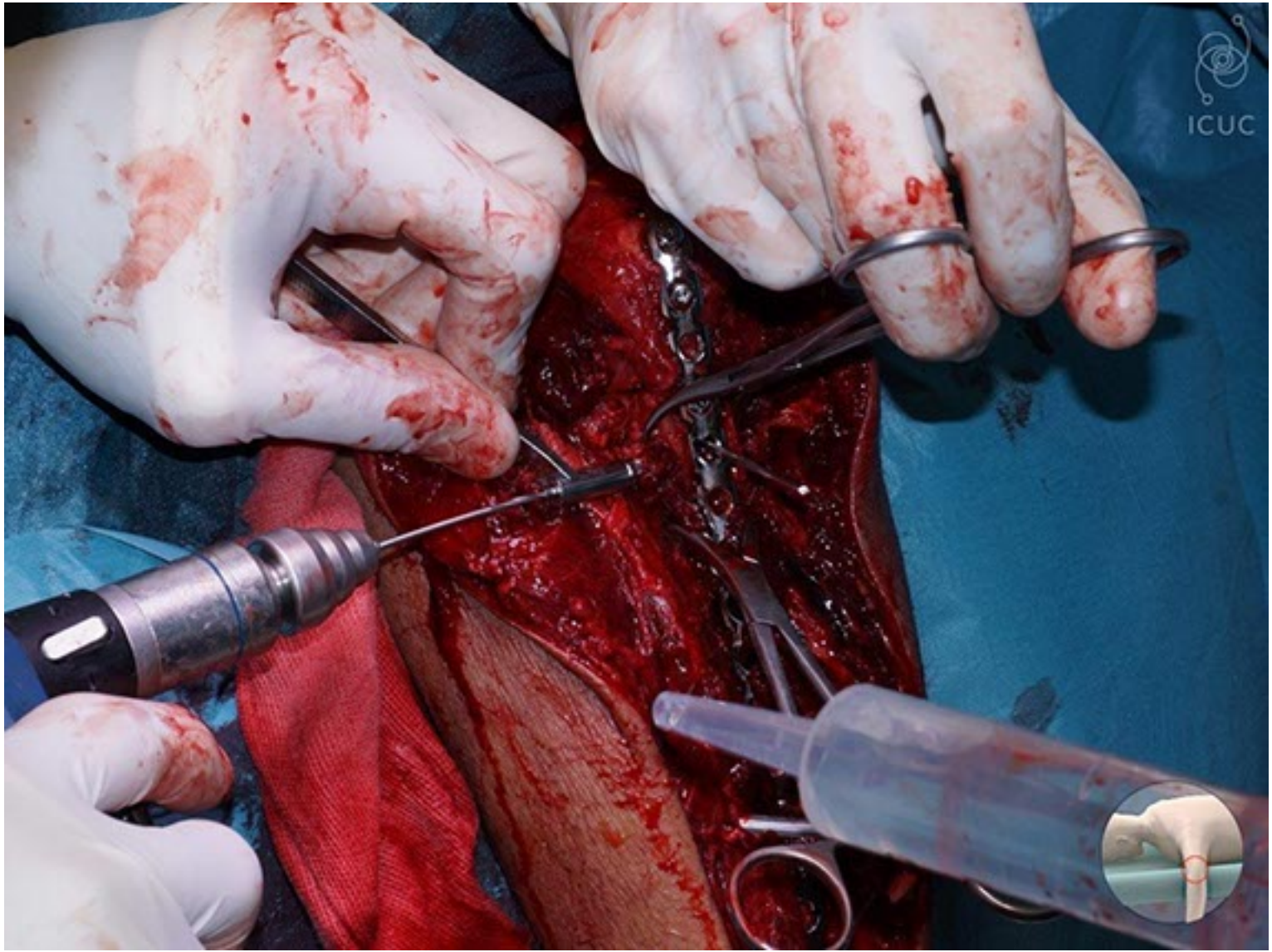


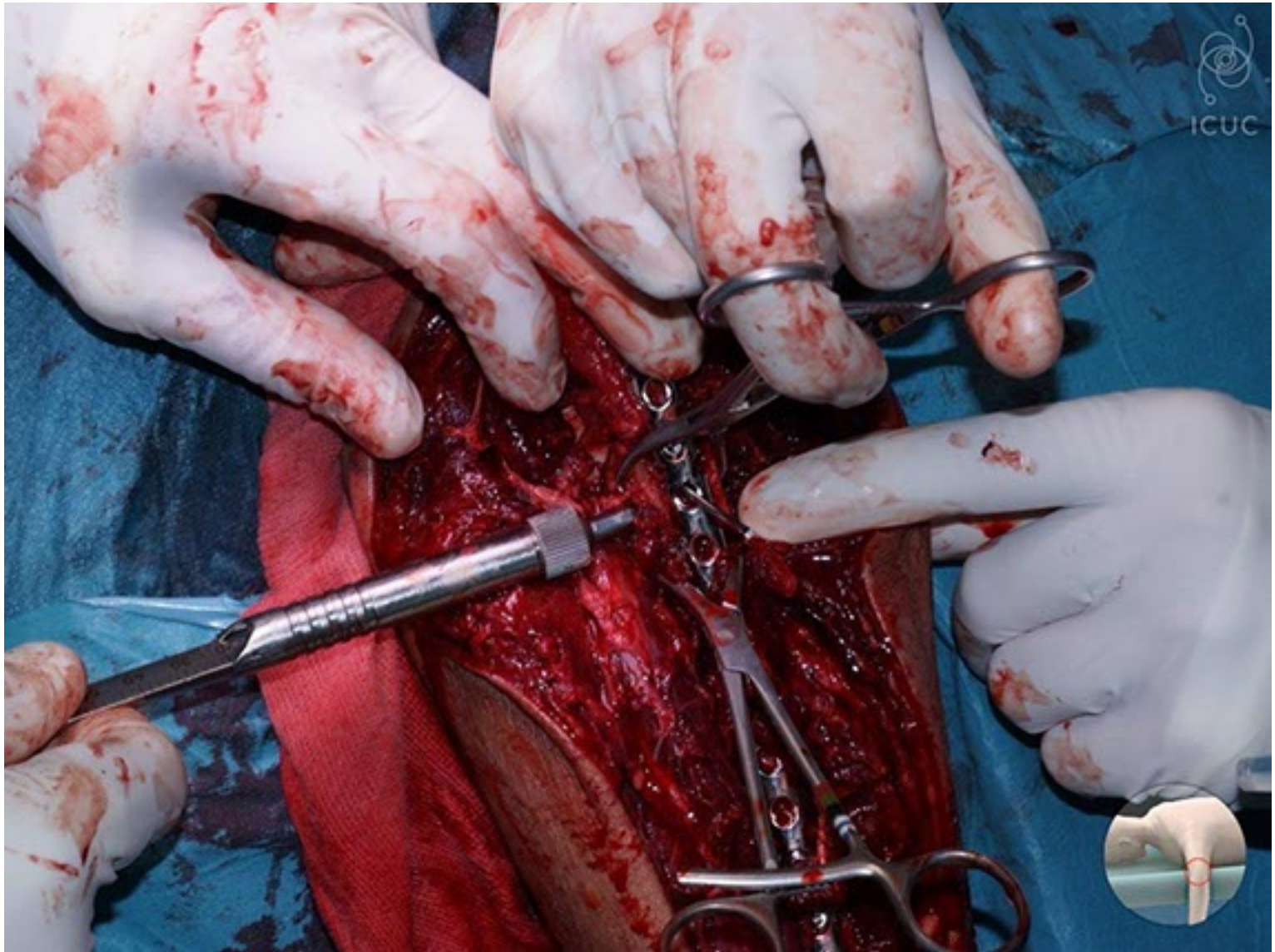




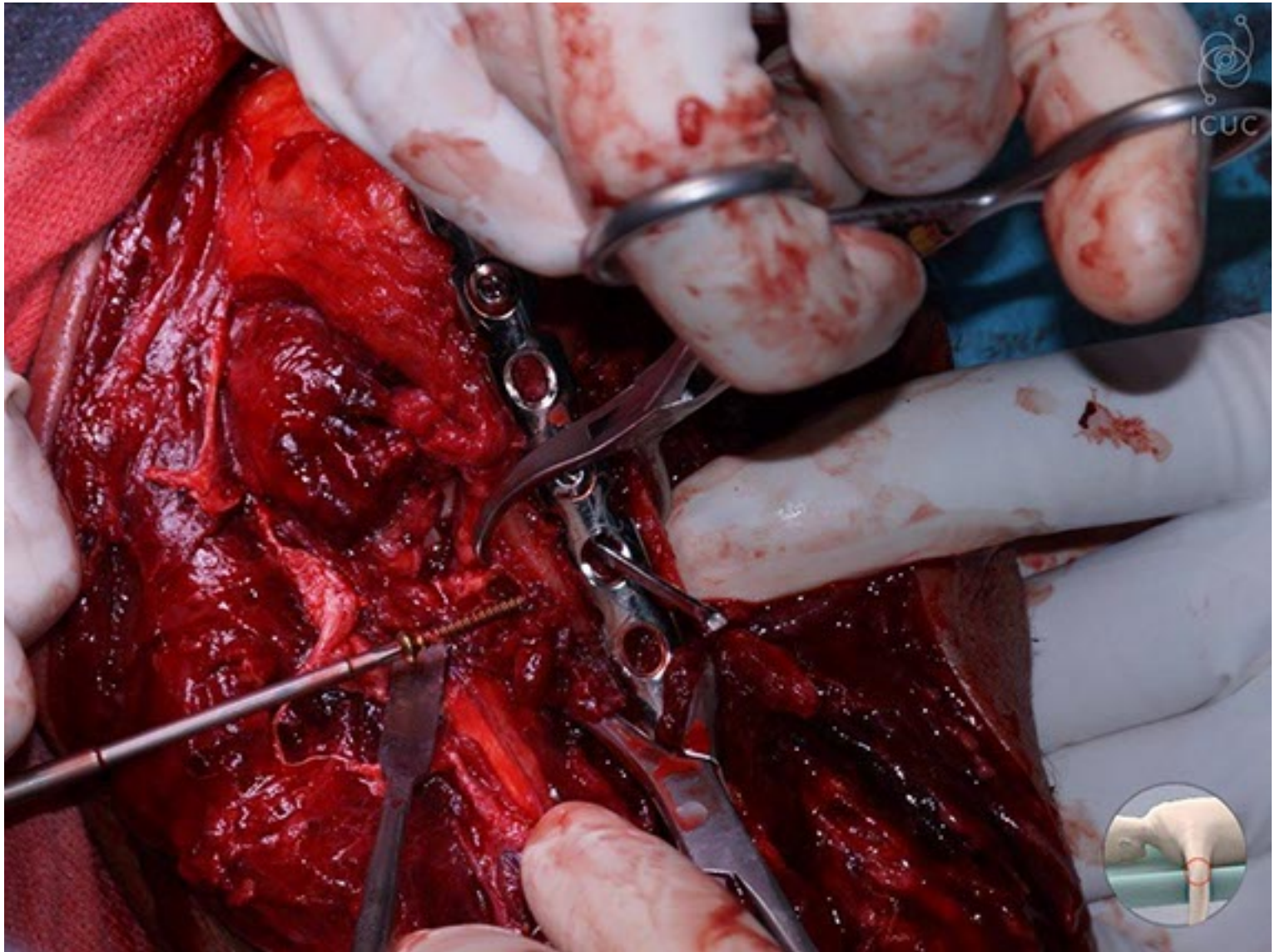


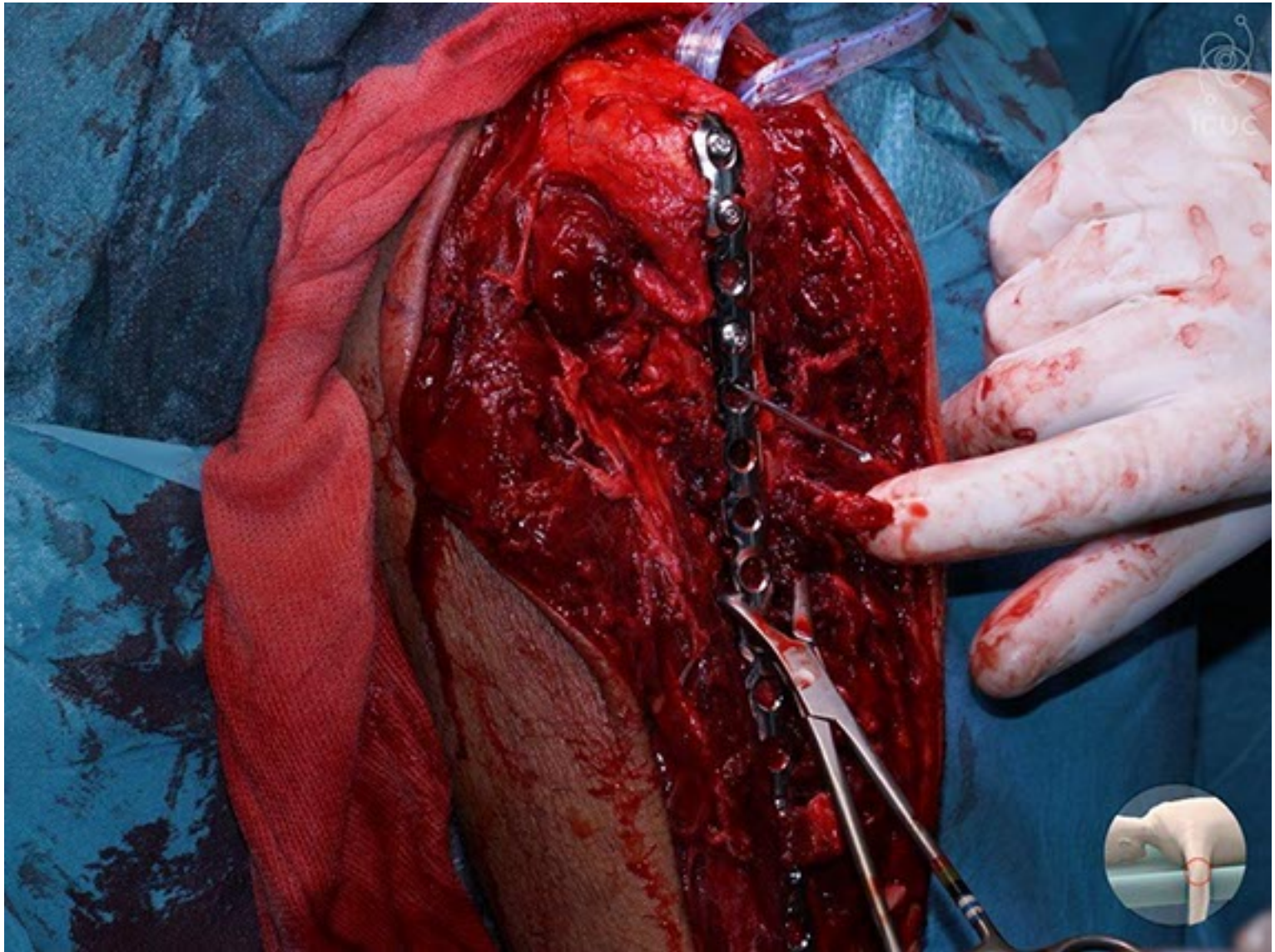




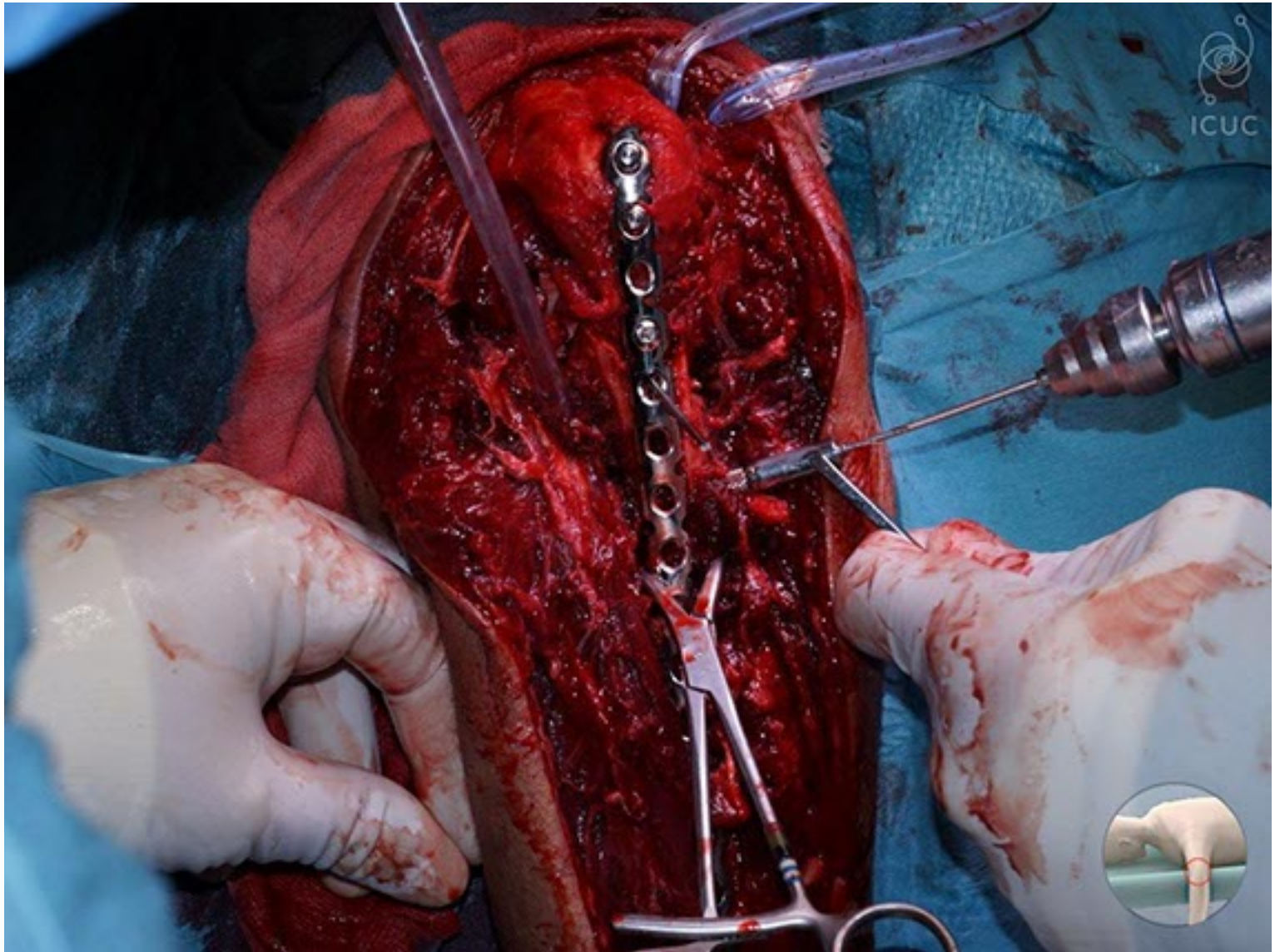




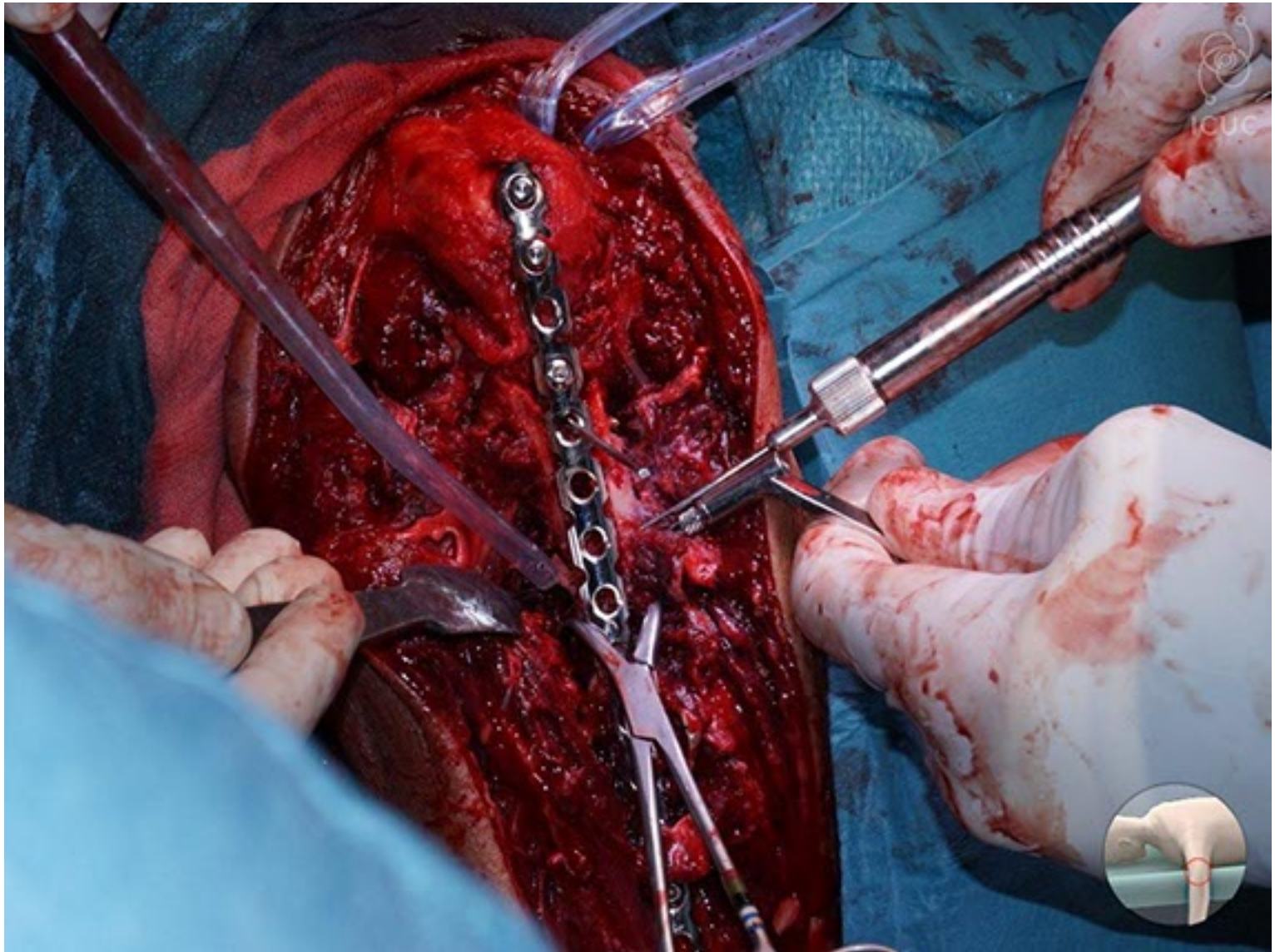






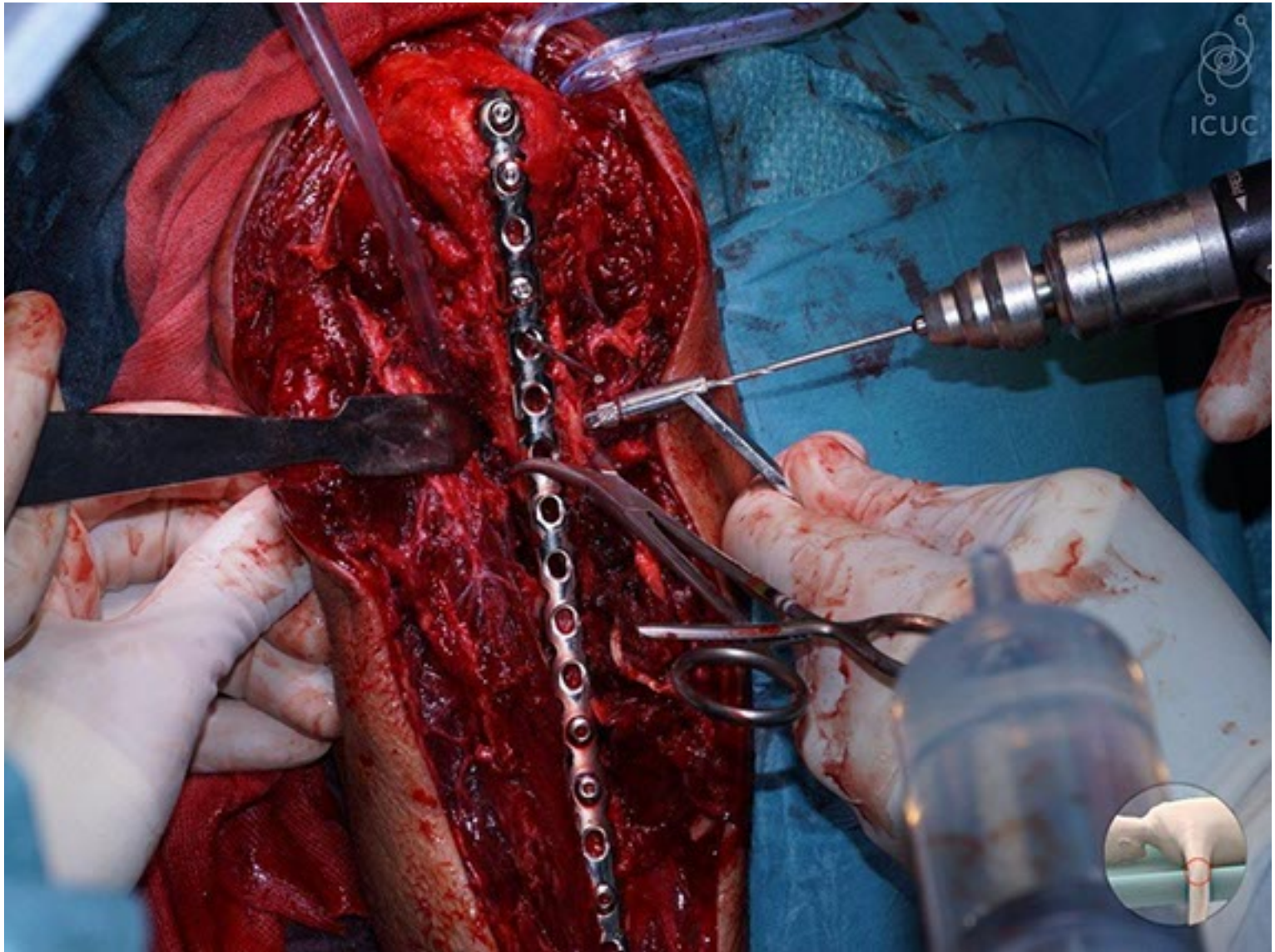




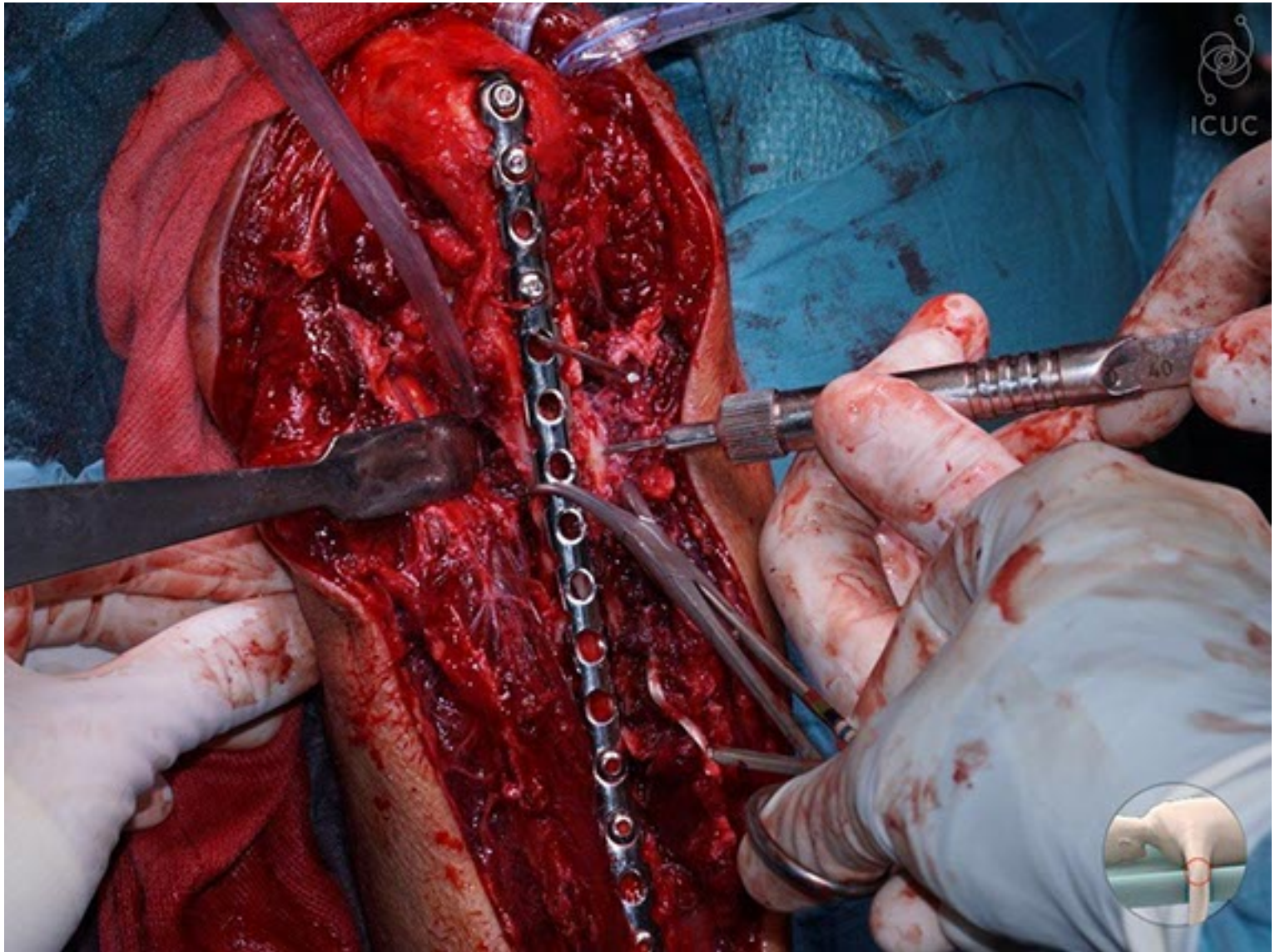


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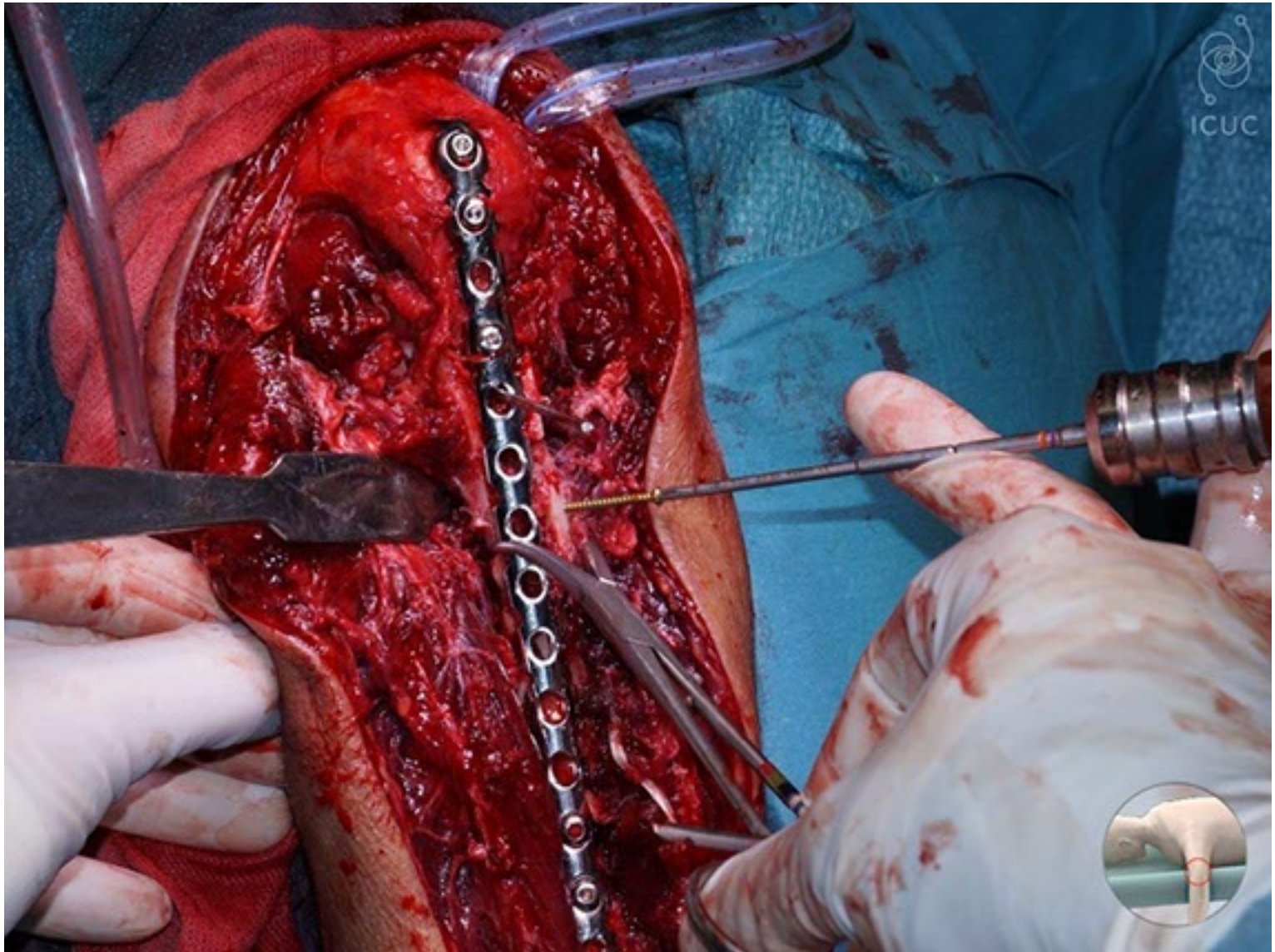


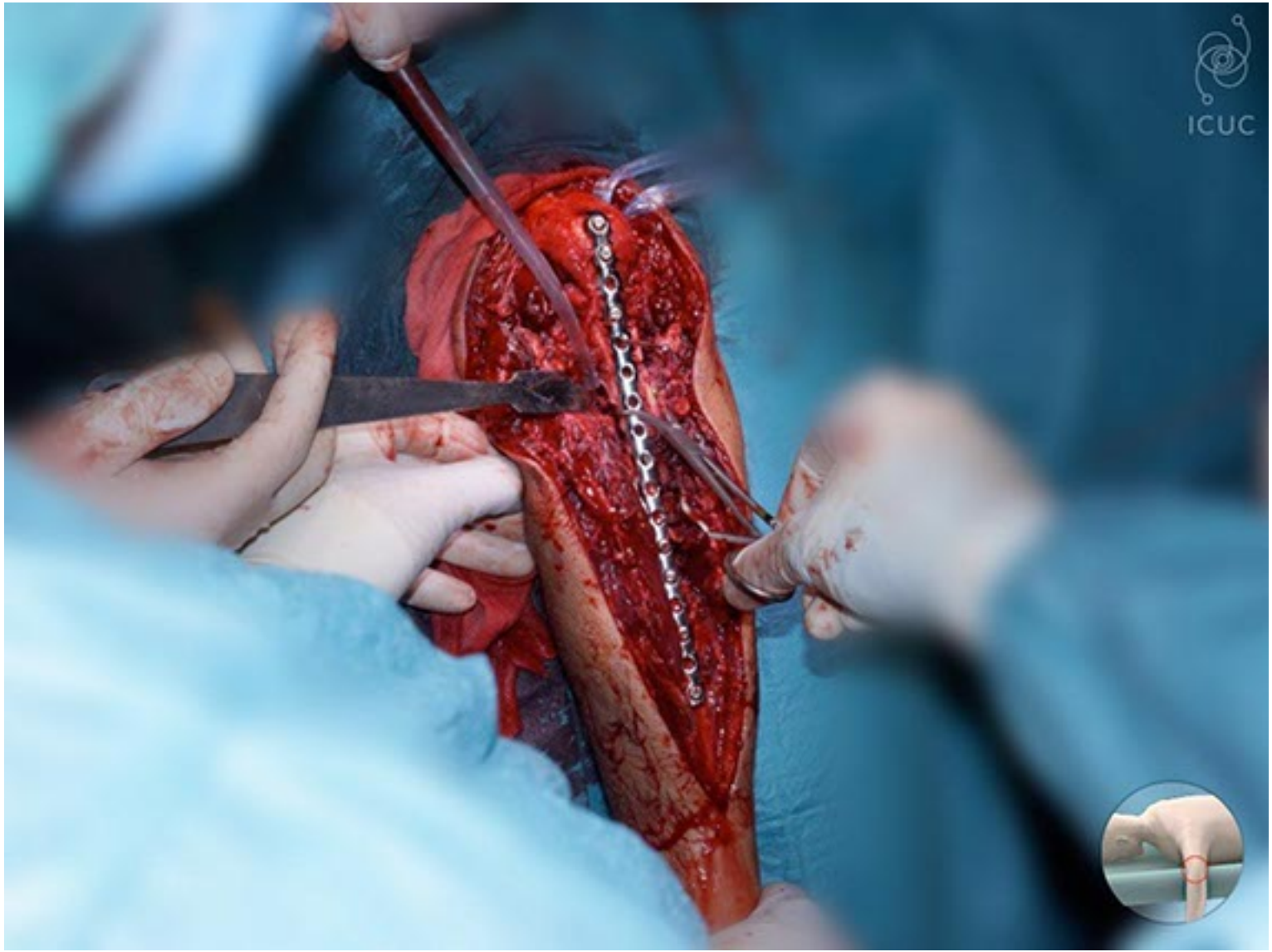






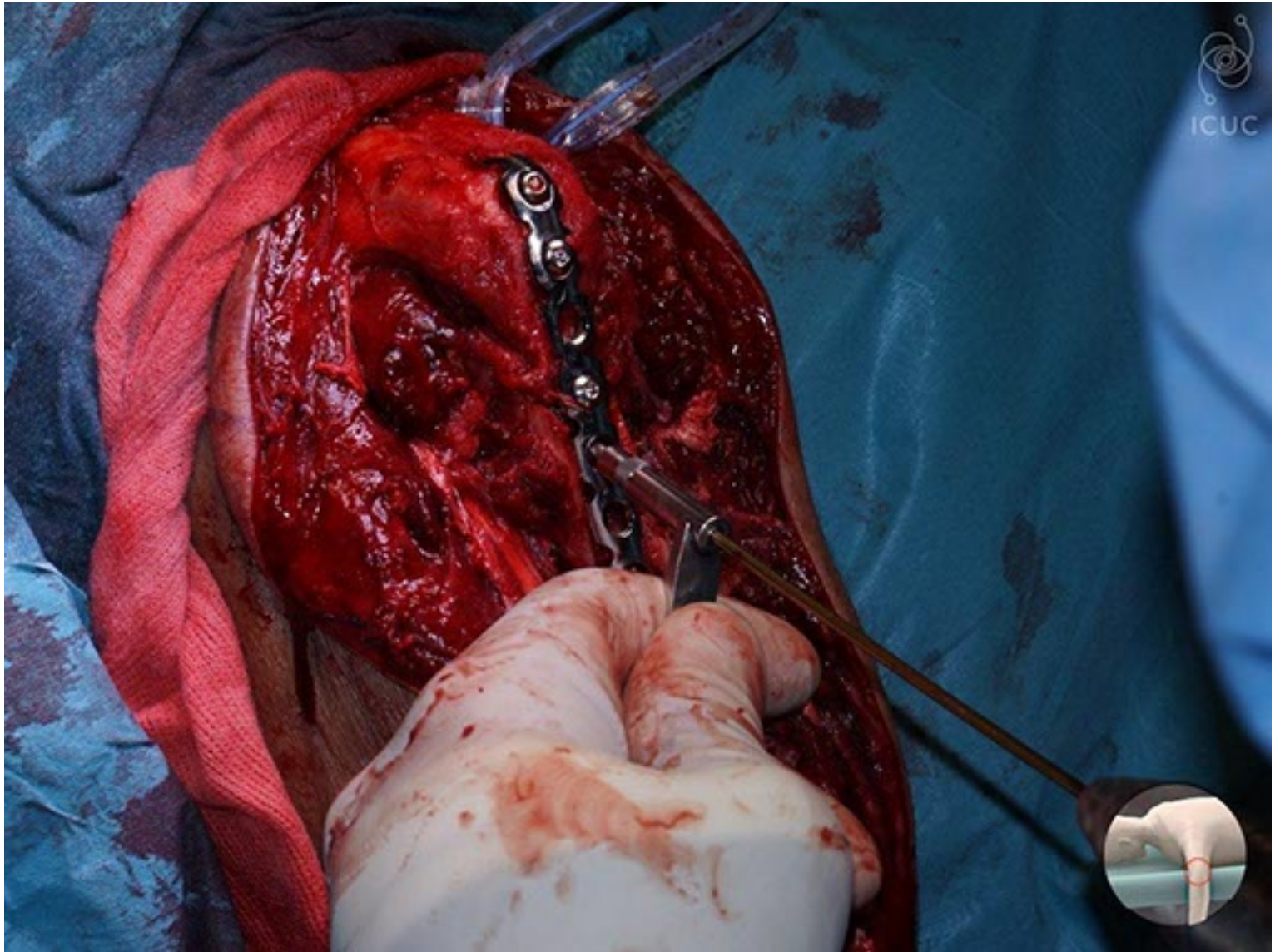






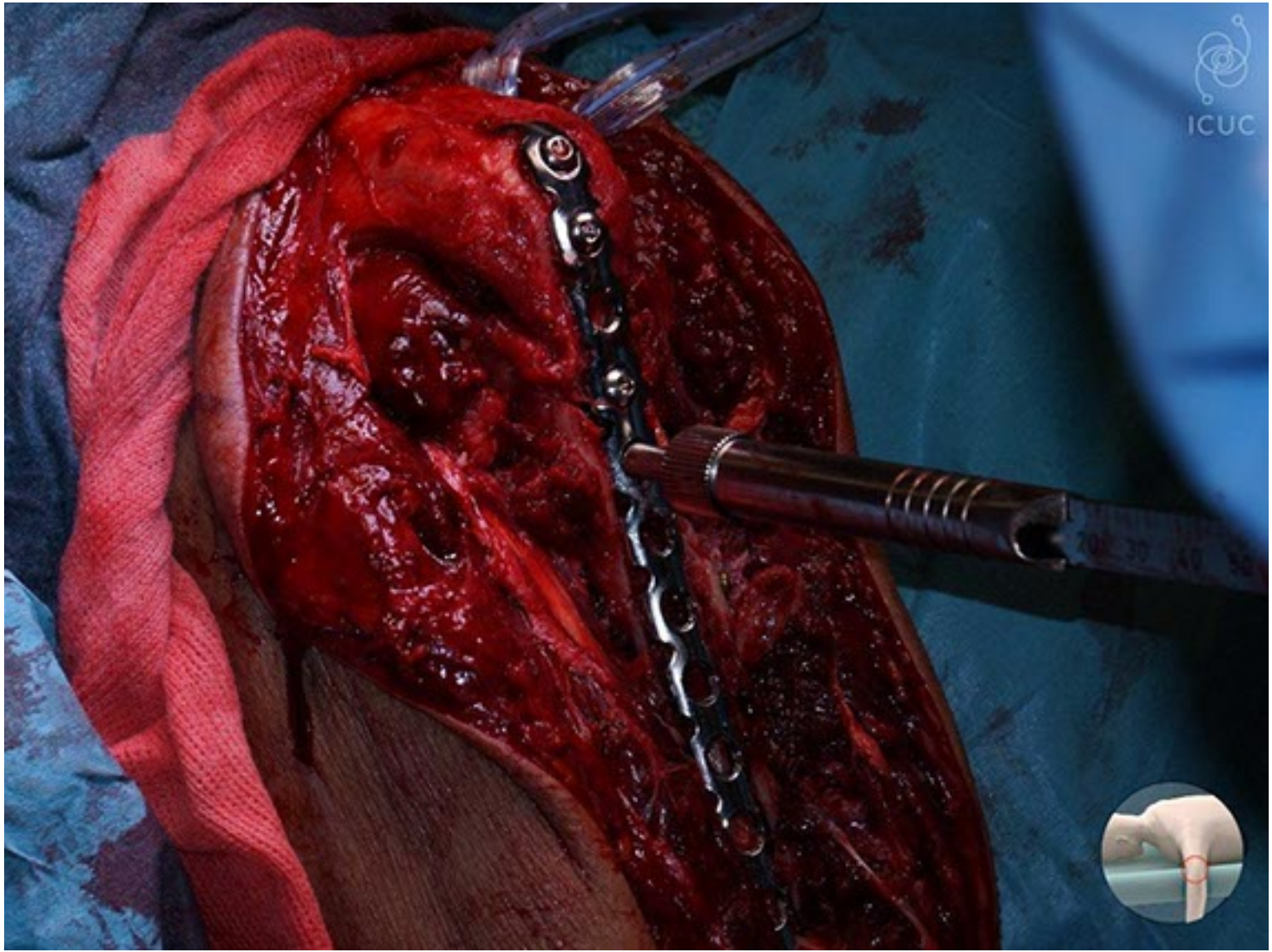




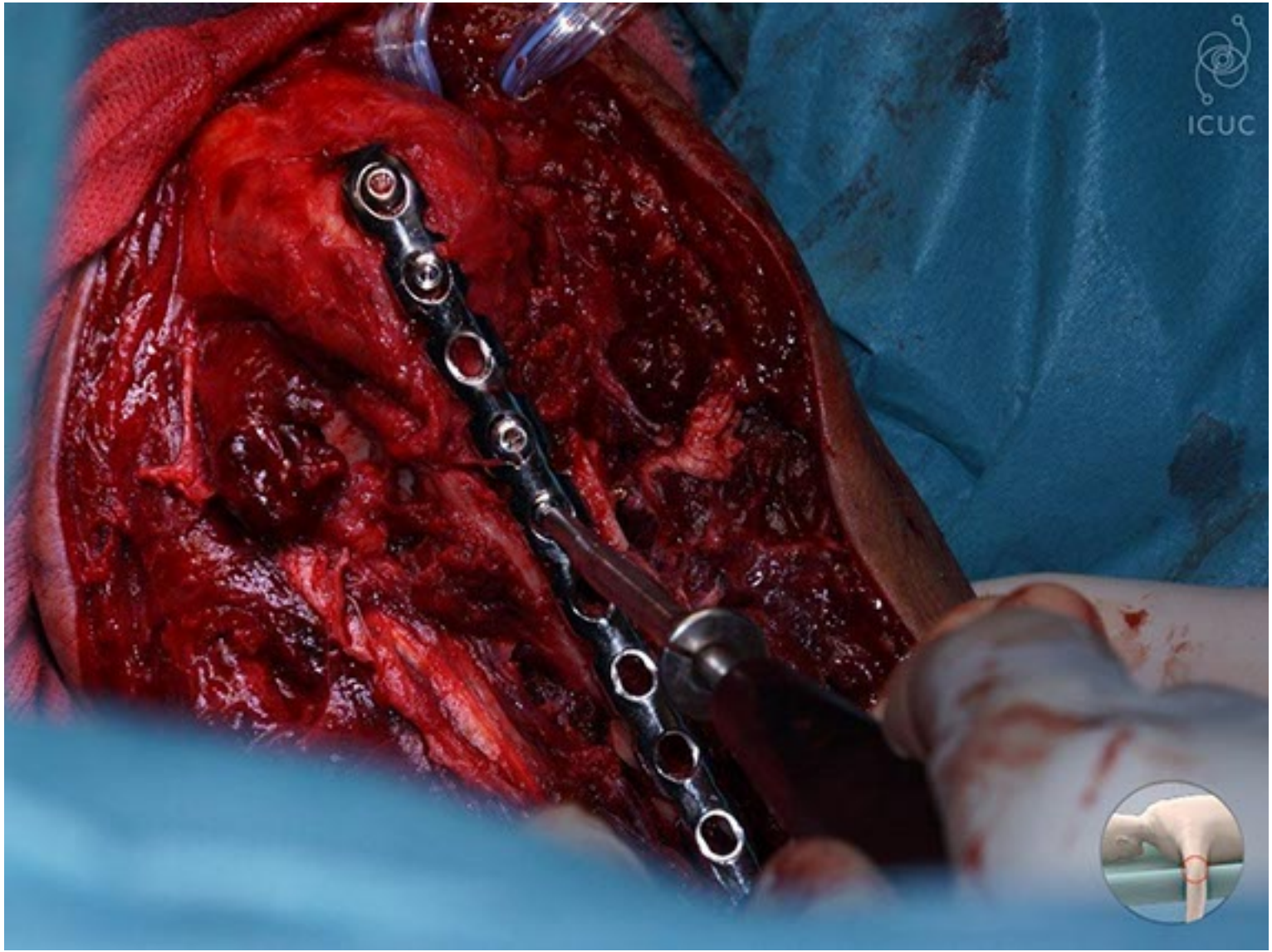














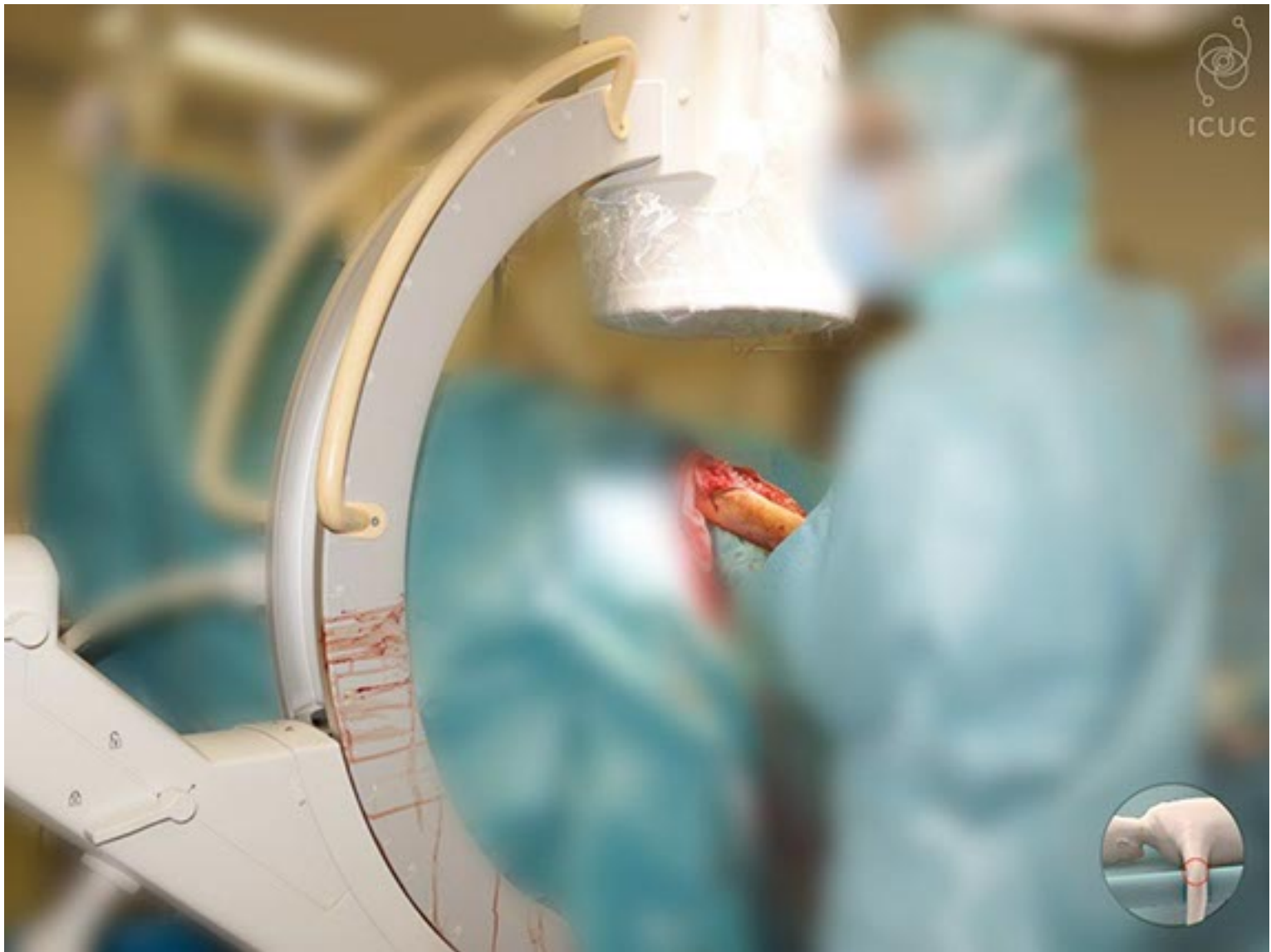


















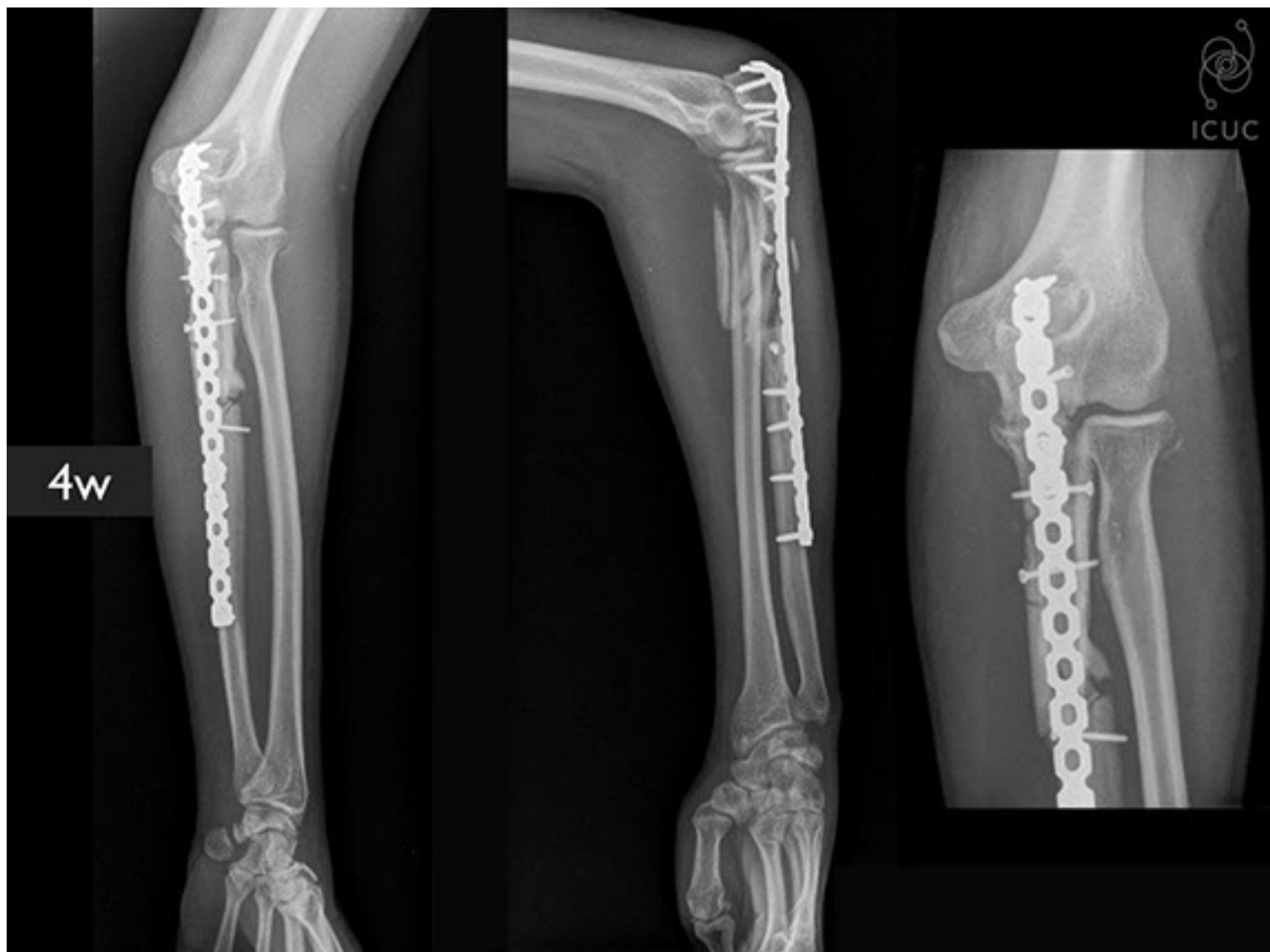








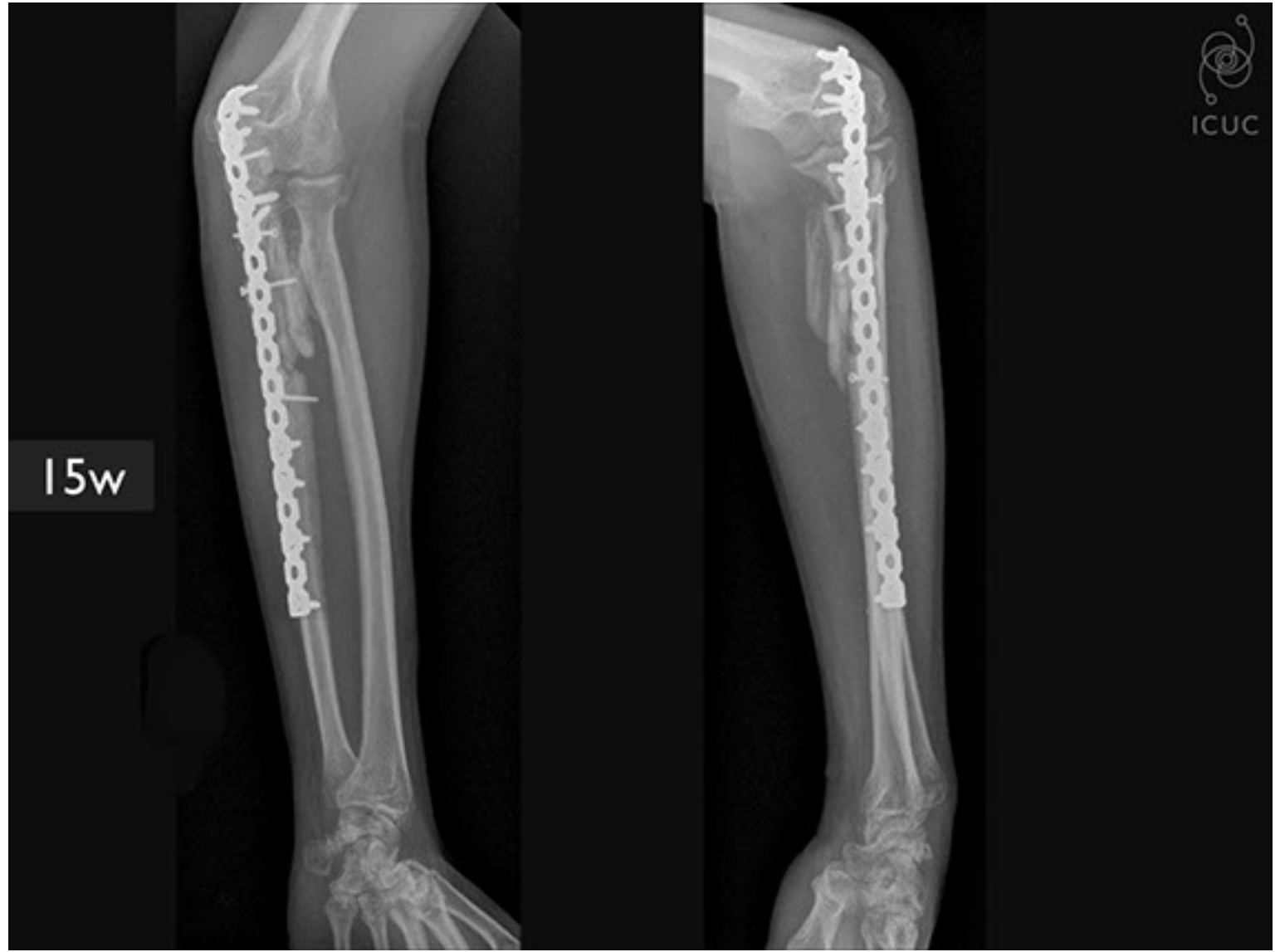
0w



9w







15w

