

Abstract

The variability of the arteries of the shoulder, forearm and arm is the theme that may look as unimportant due to many of previous surveys made in the past years.

Our work should point on a better understanding and simplification of the knowledges and the easy implication in the clinical medicine.

Due to a massive development of microsurgery and radiological methods is the understanding of the vascular anatomy of the upper extremity crucial.

During 10 years 423 upper limbs was dissected.

We also evaluated 6709 angiography pictures of the upper limbs undergoing catheterisation from the archive of cardiological clinic of the university hospital in Pilsen and hospital in Liberec.

Anatomical part of our study shows that the variability of the arteries of the upper limb ist approximately at 77%.

The evaluation of the catheterisation shows, that in 99% of the patients undergoing the procedure, nevertheless the variability, via arteria radialis, was successful.

Catheterisation via arteria radialis, also by the patients with vascular variation, is very safe procedure.