

Surgical anatomy of the orbit in the perspective of the lateral orbitotomy

Alves, JA. and Araújo, IHO.

State University of Rio Grande do Norte

We studied the complex anatomy of orbit in the perspective of the lateral orbitotomy with the purpose of providing anatomical basis to standardize the sequential surgical steps. We performed microdissection of main orbital structures and this anatomic study will contribute to reduce post-operation complications. We performed lateral orbitotomy using standard microsurgical equipment and instruments (microsurgical dissectors and high-speed drills) in adult cadaver heads fixed in formalin. We dissected the orbital structures through the microsurgical approach. Many sequential steps were examined part by part, registered and photographed with a fujifilm finepix S9600 digital camera. The photos were edited with adobe photoshop elements 5.0. Then the photos were put in order with their anatomical description and indication of structures on the pictures. The orbital microdissection with pictures of their principal structures shows in a didactic way the complex anatomy of this body part and constitutes an important matter to guide the surgical steps in the treatment of pathologies in this region.