

Development of Knowledge in Anatomy and Progress of Fine Arts

Andrey Akopov, Viktoria Gavrilina

Pavlov First State Medical University, Saint-Petersburg, Russia

Introduction. The history of anatomy and medicine has been reflected in multiple artworks in different historical periods.

Aim, Materials and Methods. The aim of the study was to analyse the mutual influence of the development of medical anatomical knowledge and fine arts in different historical periods.

From the ancient texts and images of Ancient Egypt, China, India, Classical Antiquity, the Middle East, Europe, which have survived to our days, the mutual influence of art and medical knowledge has been traced.

Results. In each historical period new knowledge about the structure of human body found a rapid reflection in works of culture and art. In many respects, the development of anatomy was determined by the most outstanding representatives of art and vice versa. The progress of anatomy and medicine, as well as their teaching, was most successfully realised with the involvement of outstanding artists, sculptors and publishers. Different directions of fine arts have interpreted and modernised the achievements of medical science in various ways.

Conclusions. In any historical period, there has been a mutual influence of the progress of medical science and fine arts. The knowledge of anatomy for representatives of art, as well as the understanding of art by representatives of medical community, is a necessary condition for the progress in these areas of human activity.