

CONSTRUINDO SABERES, FORMANDO PESSOAS E TRANSFORMANDO A PRODUÇÃO ANIMAL

HISTOLOGIA FÁCIL: HISTOLOGICAL ATLAS FOR MOBILE DEVICES

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Education and research scenarios have undergone several changes in recent years due to the evolution of information and communication technologies, making it possible to insert and use, within and outside the educational and scientific environment, its innumerable resources. Telephones that served exclusively for voice calls now have endless other utilities. The cell phone has great potential to be used as a pedagogical resource. The academic routine incorporated the technology of smartphones and today are used as a tool for learning and interaction between students and teachers. Among the disciplines of professional training in the field of health, the histology stands out in importance. Histological studies require accurate imaging tools as well as the description of their associated concepts. Traditional visual resources such as microscopes, histological slides, high-resolution images printed on books, etc., due to the high economic value and difficult logistics of use, are a difficult problem to overcome. In the new technological resources there is potential to solve the demands of histology studies. The present work aimed to create the application "*Histologia Fácil*", enabling the interested research resources and interactive means of learning anywhere and at any time, solving the limitations that have already listed. The application available for mobile devices was assembled in Histological Atlas format, presenting histological images in three magnifications (4x, 10x and 40x) for each tissue of the organic system, with a brief introduction and descriptive legend for each photomicrography. The "*Fábrica de Aplicativos*" platform was used as a resource for the construction of this application, which meets the needs of security, hosting, interactivity, accessibility and gratuitousness, characteristics of which we take as a target for the choice. The *Histologia Fácil* was developed in the Laboratório de Computação Aplicado as Ciências Agrárias (LACACIA) of the Centro de Ciências Agrárias/UFPB. There was no need for animal ethics committee approval, because the material used in the application comes from the Laboratório de Histologia Animal UFPB/CCA database. Those interested can make use of this tool through the free download in the Android and iOS application stores, and access all information at any time. This application becomes an auxiliary, motivating and easily accessible option in the teaching-learning process of the area of Animal Histology.

Keywords: app, pedagogical tool, histology, interactivity, technology

Promoção e Realização:



Apoio Institucional:



Organização:

