



TECHNOLOGY OF CREATING GRAPHICAL MODELS IN THE TEACHING OF MEDICAL SCIENCES

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Abstract: *This article presents methods for creating and using graphical models in teaching medical sciences.*

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Modern medical education requires the use of innovative information technologies in deepening students' knowledge, developing clinical thinking, and forming practical skills. In particular, graphic models - 2D/3D visualizations, digital reconstructions of anatomical structures, virtual simulations - allow creating a visual representation of complex biological processes in a clear and understandable form.

One of the presentation-creating programs today, Canva.com (Canva), whether you are a teacher or a student, Canva for Education facilitates visual creation, collaboration, and communication both in class and outside the classroom.

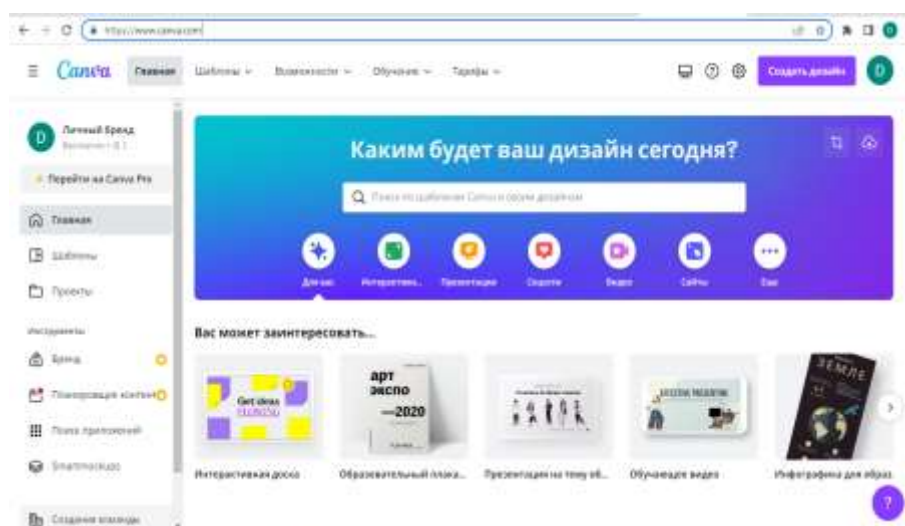


Figure 1. Canva program dialog box view

One of the advantages of Canva.com is that, in addition to the internet, it has a software version for iOS and Android, so you can access and edit your own design

from your computer and mobile phone. Canva is an ideal tool for creating content for your social networks, whether you have a business profile or they are personal networks. But this is a good source for creating popular content, such as infographics or presentations.

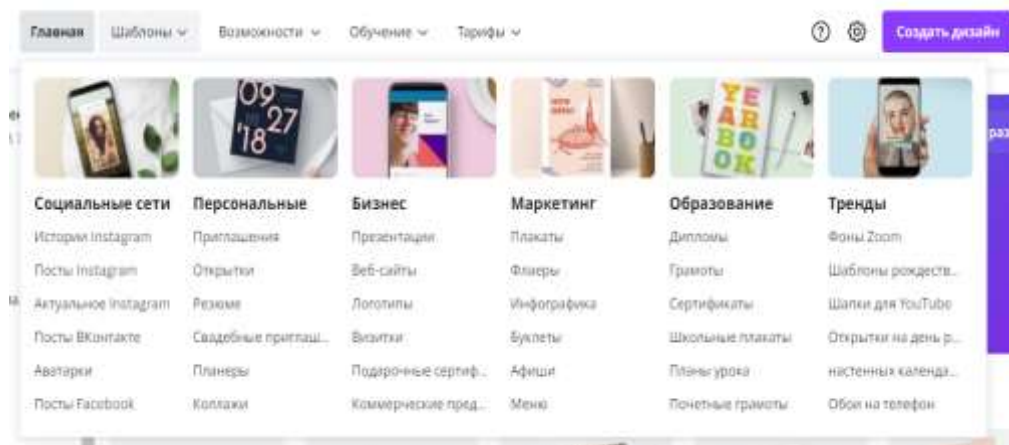


Figure 2. View of the Canva program template window

Templates for Canva are Canva's most powerful source. Both in the app and on the internet, you will find an unlimited number of templates that allow you to create content very quickly, because you need to select only one and replace the images and text with your own. You can always change some elements and colors of the design so that the template is better suited to your content. Templates for personal use are templates that allow you to create an attractive resume tailored to your needs. In Canva, you have biographies of all styles and colors. You have minimalist designs and even more complex designs. Keep in mind that templates can be edited, so if you are not sure about the color, but if there is a design, you can always change it.

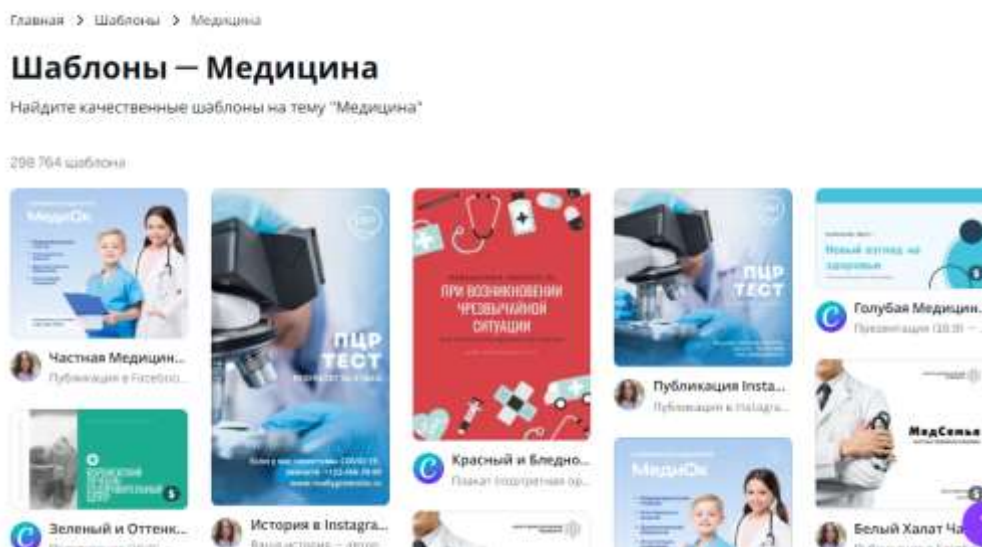


Figure 3. Canva Program Template - View of the "Medicine" window

Template - from the "Medicine" section, any template relevant to the topic is selected and information is entered. Each page has a wide range of audio, animation, and color changes. You can send the finished presentation to Facebook or your Google Account.

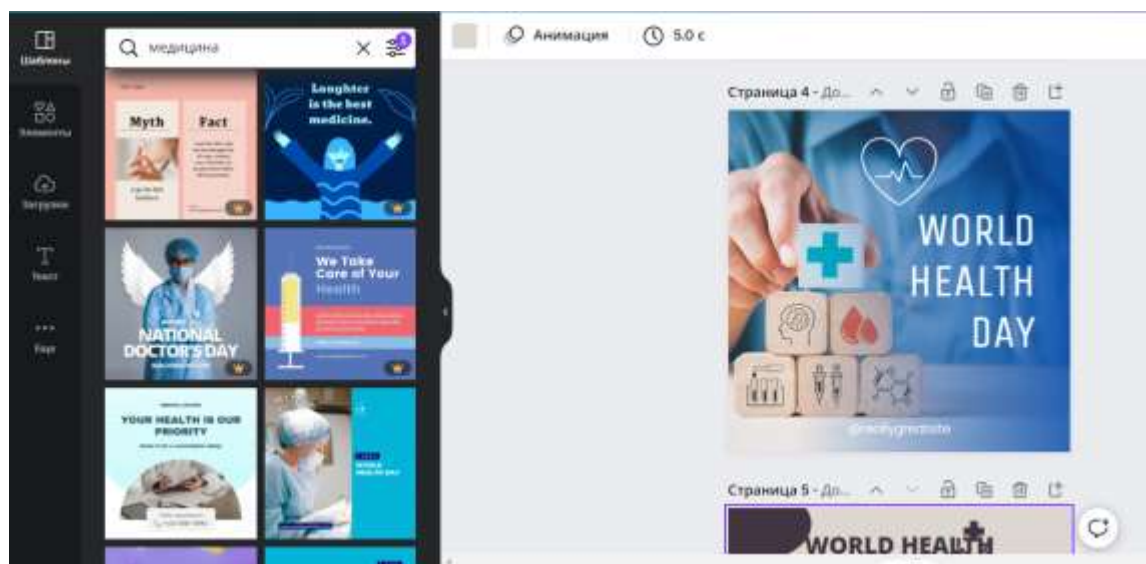


Figure 4. Canva program Template - a sample view of the "Medicine" presentation.

Bank of Images, Videos, Icons, and Illustrations - Canva has an extremely comprehensive tool on the Internet, a bank of embedded images, videos, and graphic

resources, so you don't need to log out of the program to add photos, videos, shapes, icons, and illustrations, although obviously, this allows you to load external resources.

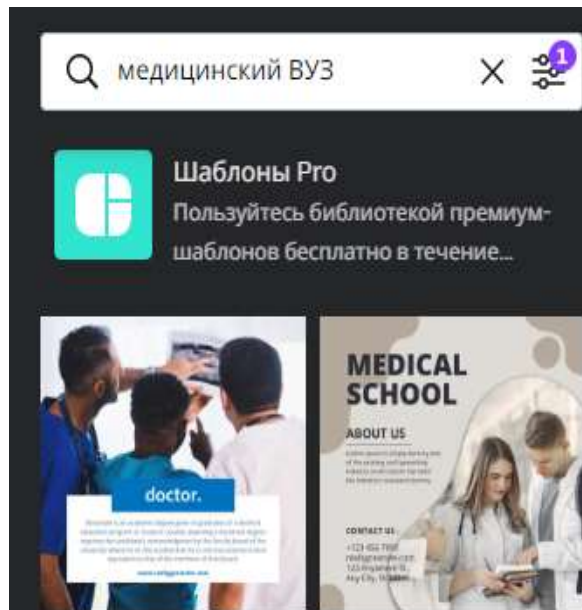


Figure 5. View search for images, videos, icons, and illustrations

Video and images - to add photos and videos, you can tap, directly and in the center of the template, or drag them. Place it in already created image frames. To change and modify the size of the image cut, you need to double-click it and move it as desired. In Canva, you can apply filters and effects to images that match the style of your photos.

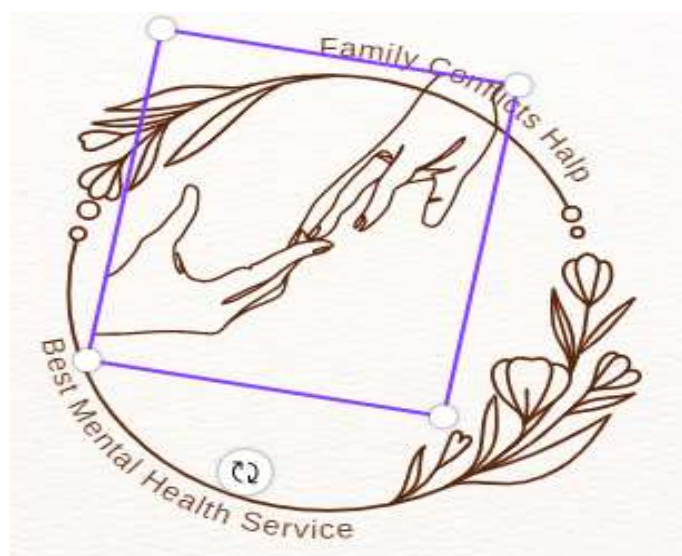


Figure 6. View changes in video and image placement

Shapes, icons, and illustrations - they are embedded like images, it is very interesting to give them additional information and decorative elements to reinforce the ideas, as well as to add them to your designs. In the elements section, you can add image frames that you can add content later. Very useful for creating your own templates.

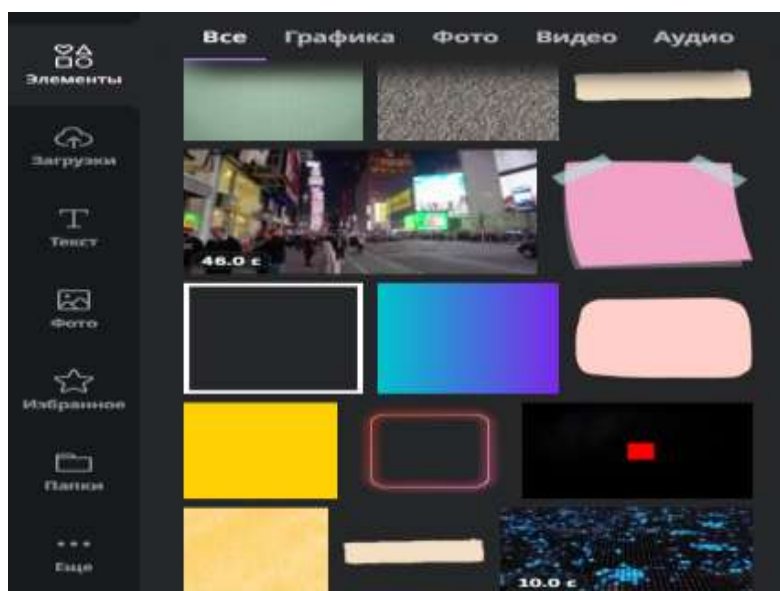


Figure 7. Shape View

You can add simple graphics from the tables - elements panel available in Canva. To your documents in Canva. You have several models: bar, linear, round, dispersion. You can edit them and enter the data directly into Canva. When you enter them on the page, a small spreadsheet opens in the left part of the program.

Canva offers you a variety of color palettes and fonts so that you can choose the best for each design. To access them, go to the side panel, "more," "styles." If you want to design from an empty document and you don't use any templates, the Canva color palette will help you choose a harmonious color scheme. In addition, when you add an image, the color palette of this photograph appears in color options, so you can choose photographs with a similar palette or assign these colors to different elements of the document. As for typographic fonts, the most interesting thing is that they not only allow you to use different types.

You can create your own account in Canva. To create a new account in Canva, you need to go online and click the "register" button. This allows you to sign up with your Google Account, Facebook, or email. You choose your preferred option. Canva automatically saves the document during editing. Yes "Download"



press the button and upload the designs to your computer. You can get it. On the right side of the screen, you can save your presentation as a PowerPoint file.

Conclusion: The technology of creating graphical models in the teaching of medical sciences is one of the most effective ways to modernize the educational process. It creates the possibility of studying medical processes on a visual, interactive, and scientific basis. The correct use of these technologies forms students' clinical thinking competencies, strengthens practical skills, and significantly improves the quality of education.

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