

## Study of the History of Global Anatomy Using Philately, Faleristics and Numismatics

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### Abstract

The article contains new materials of the study regarding the issue of studying the reflection in collectibles (philately, numismatics, phallectic) information about the anatomy and anatomist of different countries of the world. The text and illustrative part of the article is a logical continuation of the previously published two articles of the author, on the issue studied. At the same time, all materials in this article are absolutely new, and not used by the author in previous articles. New illustrative materials are postage stamps, envelopes, blocks and Maximum cards, postal cards.

Also, in the section Numismatics, new commemorative desktop medals presented, presenting a number of academic anatomist. In this article, a rich and diverse faleristics section, which includes a variety of premium signs dedicated to anatomy and famous anatomist. All materials presented in the article are equipped with the accompanying text, with a description of the presented instances.

**Keywords:** Anatomy; Scientists-anatomists; Philately; Faleristics; Postage Stamps; Envelopes; Blocks; Numismatics; Commemorative Medals

### Introduction

Starting from ancient times, in any era, and in any country in the world, anyone who decided to devote their lives medicine, was obliged to learn and know the anatomy of a person, both normal and pathological. Without the knowledge of these basic medical disciplines, it is difficult to imagine the process of diagnosing and treating a sick person, especially surgical treatment! This fundamental principle remains relevant and in demand, and until today, in all medical schools, around the world! In each country of the world, there is its own, national anatomical school, whose representatives contributed and contribute their weighty, scientific and practical contribution, into world anatomical and medical science. Their biographies and acts are forever inscribed in the history of the development and formation of anatomy. Studying and saving for the descendants of this story, truly big and selfless work [2]! In this regard, writing, both this article and the previous two, is the

contribution of the author, in the preservation of the history of the anatomy and world medical science, into a non-standard, creative method - in the reflection of collectibles, such as: philately, philocart, faleristics and numismatics.

Thanks to the inexhaustible possibilities of the Internet and a huge number of collectible materials, in the process of multi-day, painstaking search, whenever the grains, it is possible to find more and more new materials on the anatomist and history of anatomy. This article presents completely new materials of the study, demonstrating the results of the search for materials on the history of anatomy and the presentation of the anatomies of a number of countries in the world.

### Aim

To present new, non-standard data about such an important medical science as human anatomy, as well as brief information about a number of students, having left their mark on the devel-

opment of world anatomy, using collectibles such as philately and numismatics as illustrative material.

Material and Methods

In carrying out this research work, we used the method of in-depth literary-critical analysis of available scientific sources of information on the issue under study, using reference books, encyclopedias, catalogs, specialized periodicals, and Internet resources.

Result and Discussion

This article presents completely new, which is not previously represented by the author previously, instances of postage stamps, envelopes, coins, bad signs, badges and commemorative medals dedicated to Anatomist, scientists and practitioners, past centuries. Start your story, I would like to represent a selection illustrating a scientific feat of a well-known, spreadsheet of a talented and gifted Dutch scientist - anatomist, physiologist, biologist, Albrecht Von Haller (1708-1777) [25]. In figure 1, scans of the books of this scientist in the field of physiology and surgery are presented [21,25].

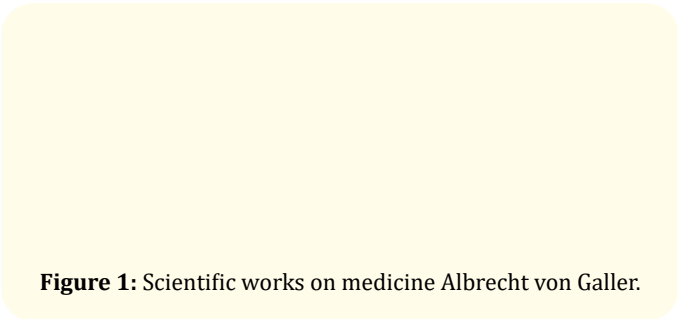


Figure 1: Scientific works on medicine Albrecht von Galler.

A selection, collectible materials (postage stamps, envelopes, Maximum Cards, commemorative medals and coins, banknotes), presented in figure 2-4 [21,25].

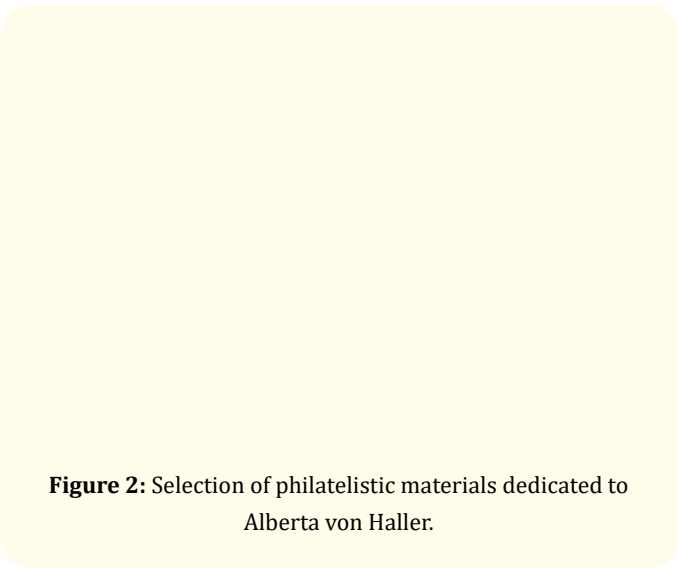


Figure 2: Selection of philatelic materials dedicated to Alberta von Haller.

Figure 3 shows a numismatic selection that includes memorable bronze, silver and gold medals, minted in honor of this great scientist, in the period 18-20 centuries [21,25].



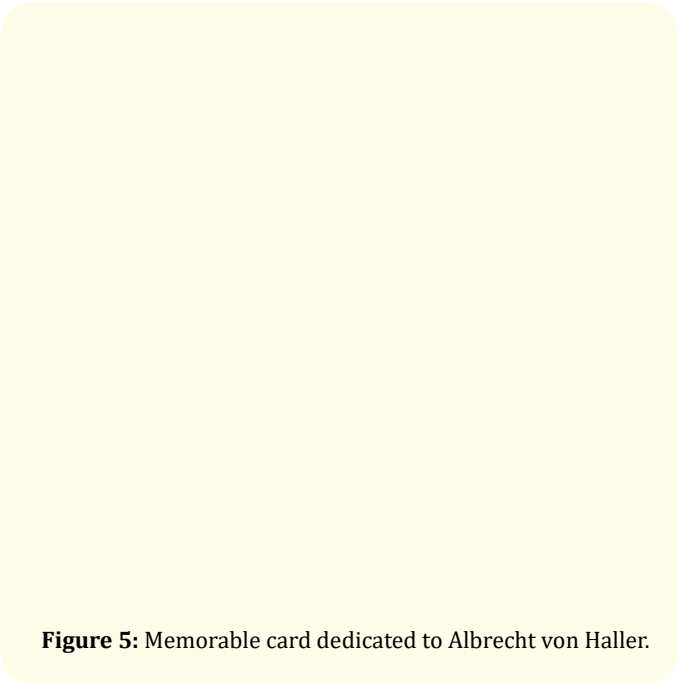
Figure 3: A selection of memorable medals dedicated to A. von Haller.

Figure 4, in the obverse and reverse, presents memorable banknotes of Switzerland, and 500 Swiss francs (1977) and 500 Francs 7th series, reserve banknote, dedicated to Albrecht von Haller [21,25].



Figure 4: commemorative banknotes of Switzerland dedicated to Albrecht Background Haller.Selection of

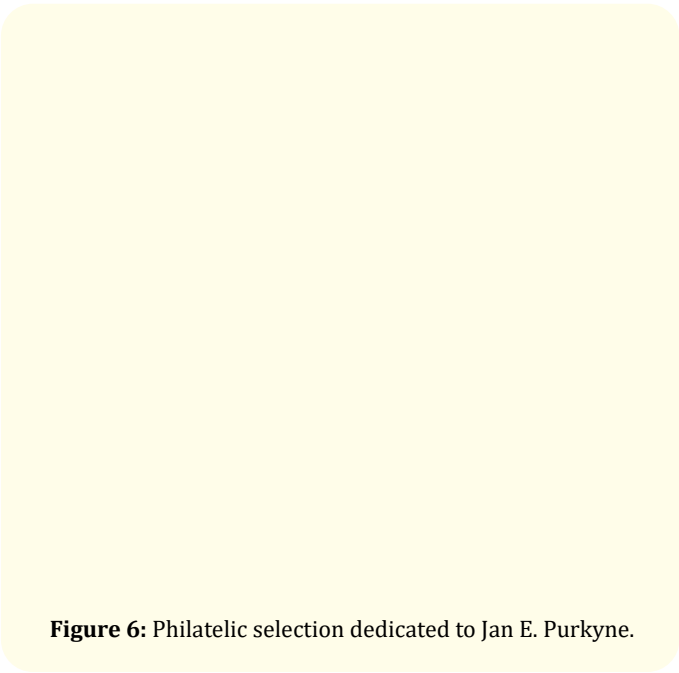
A very interesting is the old memorable bilateral postcard and packaging from chocolate “Poulain” (19<sup>th</sup> century), dedicated to Albert von Haller. On her obverse, the scientist is depicted in his office. On her obverse, the scientist is depicted in his office. This memorable card is presented in figure 5 [21,25].



**Figure 5:** Memorable card dedicated to Albrecht von Haller.

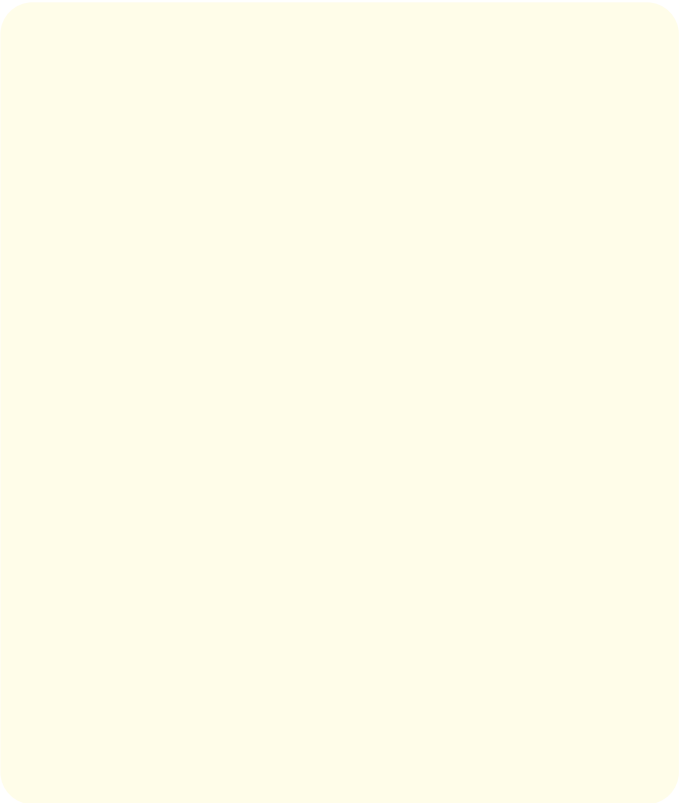
In the following Figure 5., Presented collectible philatelic materials of the Czech Republic, dedicated to the most famous scientist, an anatomist, physiologist, the natural scientist of this country - Jan Evangelist Purkyne (1787-1869) [21].





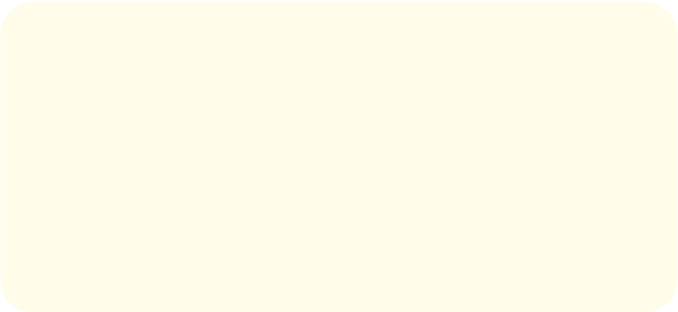
**Figure 6:** Philatelic selection dedicated to Jan E. Purkyne.

The following figure presents a large numismatic and phaleristic selection dedicated to commemorative coins, tabletop and award medals dedicated to Jan E. Purkyne [21].




**Figure 7:** Collectible numismatic and phaleristic selection dedicated to Jan Evangelist Purkyne.

The next collection collection, which includes screenshots of lifetime scientific works, postage stamps, postcards and envelopes, commemorative medals, is dedicated to the famous Austrian doctor and scientist, anatomist, pathologist - Karl von Rokitansky (1804-1878) [3,21]. This collection is presented in figure 8.

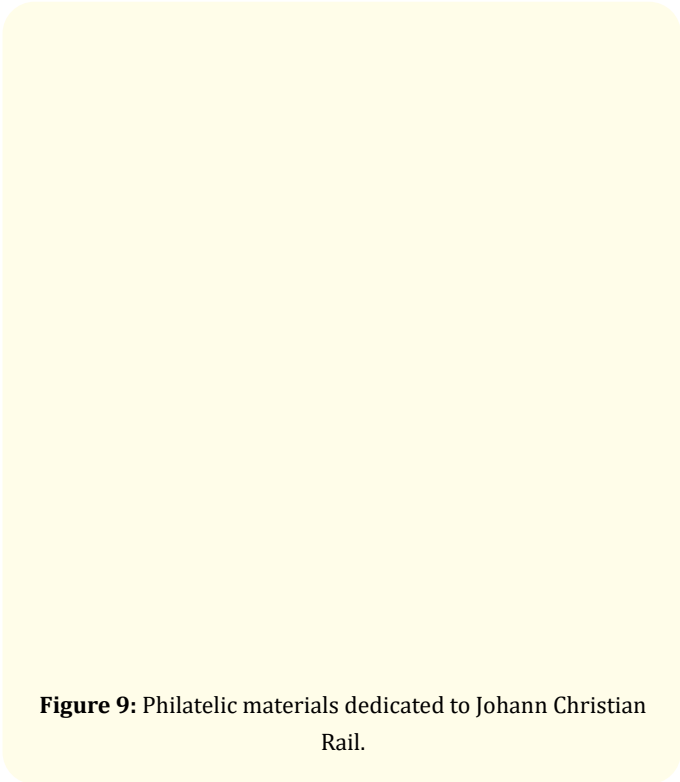






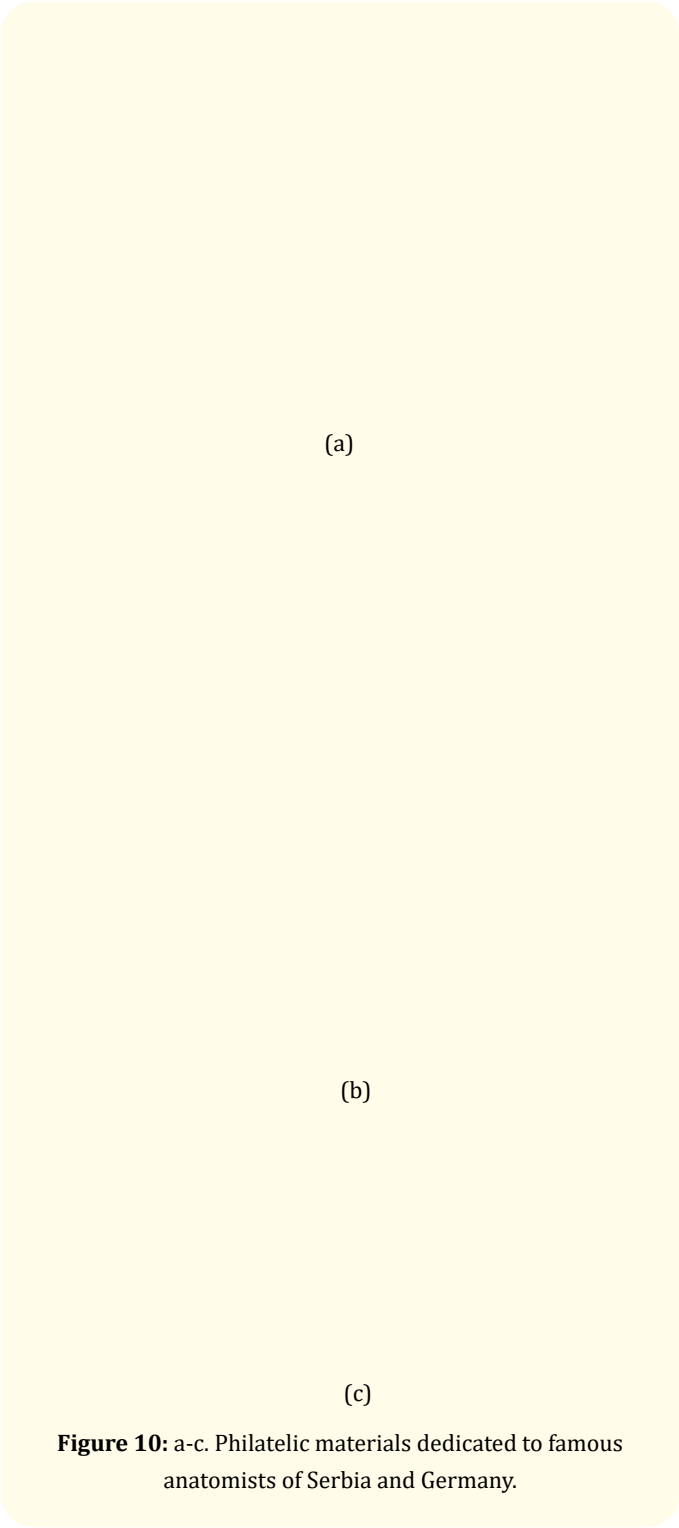
**Figure 8:** Collectible materials dedicated to Karl von Rokitansky.

The next collection of philatelic materials is dedicated to the German anatomist Johann Christian Reil (1759-1813), who worked in the period of the 18-19th centuries. So, in figure 9, a small stamp sheet of Ukraine and a postage stamps an envelopes of Germany and commemorative medals are presented, dedicated to this scientist-anatomist [8,10,13;16,17,19,26].

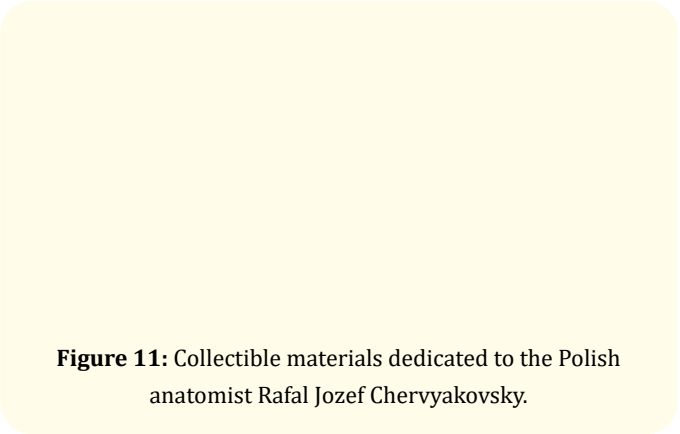


**Figure 9:** Philatelic materials dedicated to Johann Christian Reil.

The next selection is dedicated to the founder of the Serbian anatomical school, Dr. Jovan Andreevich (Figure 10), a group of famous German scientists-anatomists - Karl von Burdach (1776-1847) (Figure 10a), Friedrich Gustav Jakob Henle (1809-1885) (Figure 10b), whose name is given to the Henle loop, Alfred Benninghoff (1890-1953) (Figure 10c) [21].

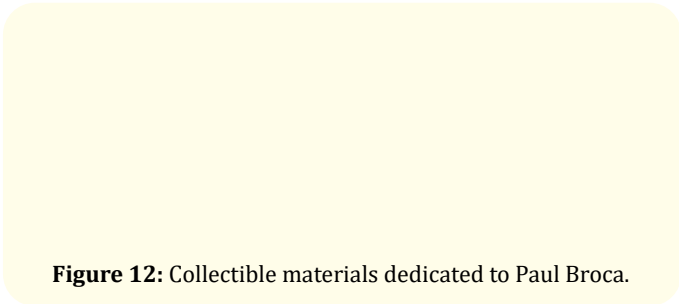


The following figure 11, a postage stamp and a bronze medal plaque of Poland are presented, dedicated to the famous Polish doctor, anatomist and surgeon of the 18-19th centuries - Rafal Józef Czerwiakowski (1743-1816) [21].



The next large anatomical selection (postage stamp, postcards, chocolate wrapper, commemorative medal), shown in figure 12, dedicated to the famous French surgeon, scientist-anatomist, anthropologist Paul Broca (1824-1880) [12,14,15,18,21].





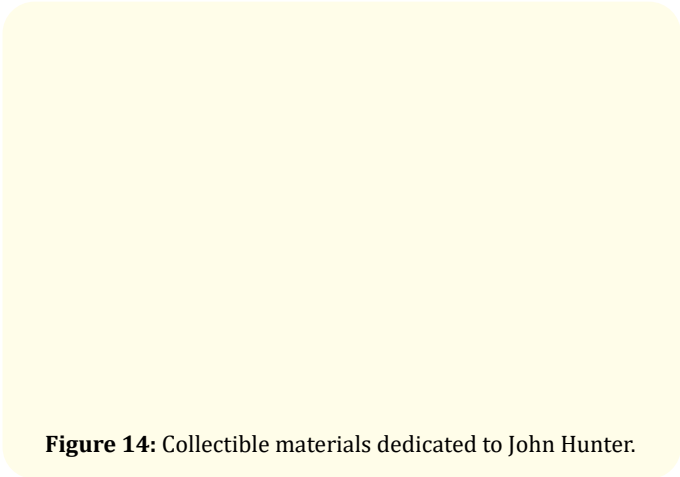
**Figure 12:** Collectible materials dedicated to Paul Broca.

The next collection is dedicated to the famous Scottish obstetrician, anatomical scientist, one of the founders of modern anatomy, William Hunter (1718-1783). He is the older brother of the renowned Scottish anatomist and surgeon, John Hunter. In figure 13, there is a commemorative silver and bronze medal dedicated to this scientist, as well as the modern medal “Anatomy lesson of Dr. Hunter at the Royal Society of Art”, based on the famous painting by Johann Zofanni, as well 2 commemorative cards dedicated to this scientist [2,5,7,9,20,21,23,24].



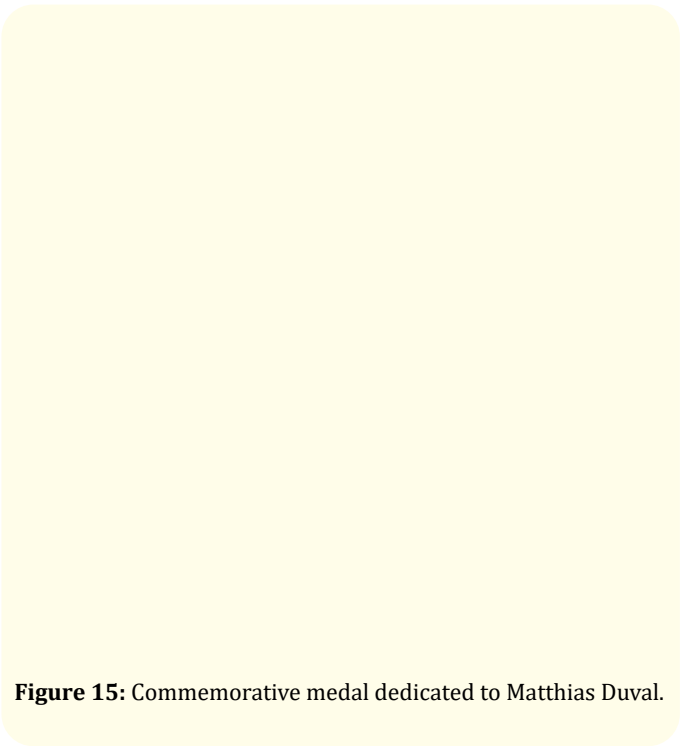
**Figure 13:** Collection set dedicated to William Hunter.

A selection of collection materials (commemorative medal in obverse and reverse) dedicated to the scientist, surgeon and anatomist – John Hunter (1728-1793), is shown in figure 14, fourteen [2,5,7,9,20,21,23,24].



**Figure 14:** Collectible materials dedicated to John Hunter.

Further, on the obverse and reverse, there is a commemorative bronze medal dedicated to the famous French scientist-anatomist – Doctor of Medicine, Professor Mathias Duval (1844-1907) [1,4,6,11,21].



**Figure 15:** Commemorative medal dedicated to Matthias Duval.

This is completed by another brief overview regarding the reflection in philateli, phallistics and numismatics, the history of

world anatomy and the story about the well-known scientific and anatomists of different centuries of human history.

## Conclusion

- The article presents new materials of the study, devoted to the reflection in the collection media, the memory of a number of world famous scientists-anatomists, their scientific contribution to the world anatomical and medical science, as well as the formation and formation of the foundations of modern anatomy.

- The presented text and illustrative materials, taking into account the limited volume of the article, quite fully correspond to the goals and objectives of writing this article, submitting the information presented in a format convenient for the reader.

- The materials of the article can be of great interest to scientists, teachers and students of medical schools, practitioners and other categories of medical workers of various orientations who are interested in anatomy and medicine.

- The presented illustrative materials can be used as an auxiliary informative tool in the study of such disciplines as "Anatomy", "Operative surgery and topographic anatomy" and "History of medicine" in specialized universities and departments.

- Modern collectibles, in all their diversity, quite fully, brightly and creatively, reflect information about any medical discipline and its heroes.

- In the short term, in his new article, the author plans to continue his research in the field of reflection of various sections of the anatomy of human internal organs, presented in the reflection of such collectibles as philately, numismatics and faleristics.

## Conflict of Interest

I have no conflict of interest.

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