



## Anatomical Drawings of Leonardo Da Vinci in Reflection of a Series of Collectibles

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### Abstract

This research article presents the results and analysis of a study conducted by the author of the article, thematically dedicated to the anatomical drawings of the famous scientist, anatomist, artist and inventor of the Renaissance - Leonardo da Vinci. This article is richly decorated and illustrated with screenshot copies of collectible, philatelic, phaleristic and numismatic materials, bearing both portraits of Leonardo da Vinci himself and his drawings on anatomical subjects.

**Keywords:** Leonardo da Vinci; Philately; Anatomy; Phaleristics; Philocartics; Thematic Anatomical Badges; Screenshot Copies

### Introduction

Studying the history of medicine is impossible to imagine without studying and preserving the history of normal human anatomy. All the great doctors of antiquity, in all periods of human history, were, first of all, excellent specialists in anatomy. Without knowing how a person works, it is impossible not only to diagnose various diseases, much less to treat a sick person! In this regard, the study of the life, scientific and practical activities of anatomists from different countries is very relevant and in demand in the history of medicine, which is what motivated the author when writing this article. Using the method of illustrations for the text, the author chose various means of collecting - philately, thematic badges, phaleristics and numismatics, providing screenshots of postage stamps, envelopes, commemorative coins and medals, thematic anatomical icons dedicated to anatomy and anatomical drawings of Leonardo da Vinci. In this article, we will talk about the Italian anatomical school and its most famous representative, from the Middle Ages and the Renaissance to the 17th-18th centuries - Leonardo da Vinci.

### Aim of study

The purpose of this research article is to present the results of the study and their analysis in the matter of reflection in a number of collecting means, such as philately, phaleristics and numismatics, a number of anatomical drawings of the great Italian scientist, anatomist and artist, Leonardo da Vinci.

### Hypothesis of the study

At the beginning of this study, its author. A working hypothesis arose, the essence of which was that there are a number of means of collecting, such as philately, phaleristics and numismatics, which carry not only portraits of Leonardo da Vinci, but also a number of his drawings on anatomical subjects.

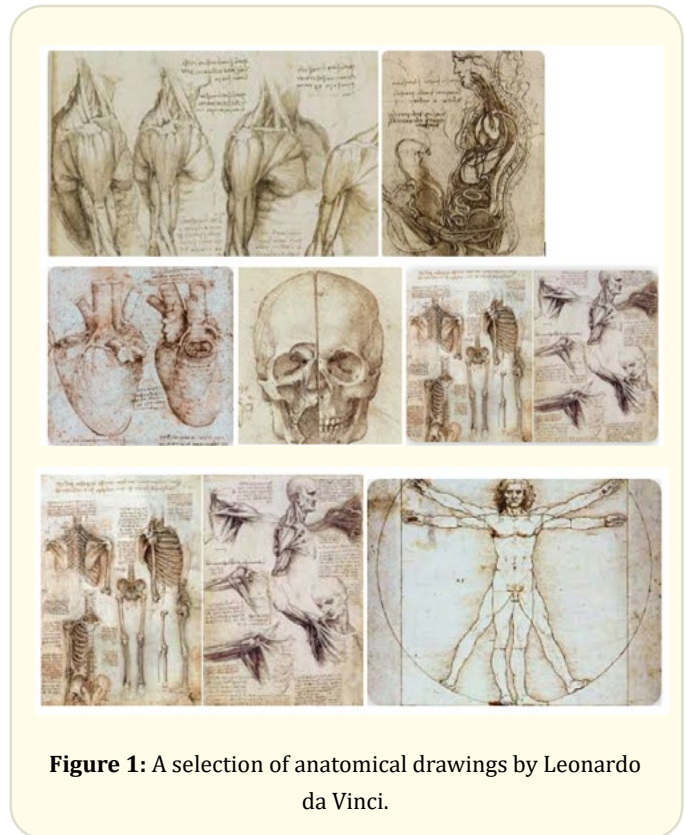
### Material and Methods

When writing this research article, its author actively used research methods such as literary critical analysis of all available sources of information, both domestic and foreign. On the Internet, we studied both scientific and research articles about the life and

work of Leonardo da Vinci, as well as websites and Internet pages of philatelic collectors, falerists and numismatists, dedicated to the issues conducted by the author of the research. All selected illustrative collection materials were ordered, systematized, and converted by the author of this article into their screenshot copies, with the obligatory, strict indication of the places on the Internet from which they were borrowed, for strict compliance with the copyrights of their owners.

## Results and Discussion

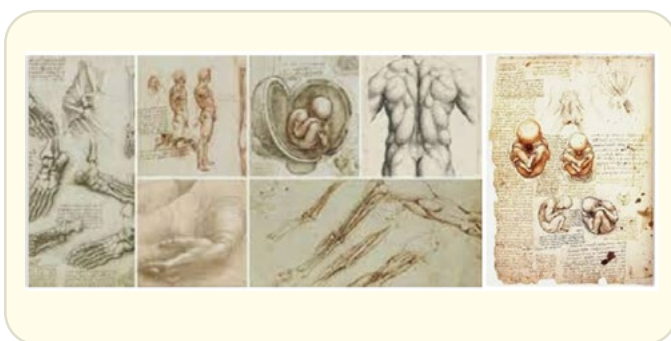
Before we begin to present the anatomical drawings of Leonardo da Vinci, in reflection of the means of collecting, I would like to present some of these drawings, the subjects of which are most often used on them. Being a brilliant man who achieved significant success in many areas of the then science, he also had very good success in the field of human anatomy. If we add to this his ability to draw, this allowed the great Leonardo to make unsurpassed anatomical drawings of those parts of the body with which he came into contact during his anatomical research. Researchers of his life and scientific work write about this [1-3]. According to their research, the first records of this scientist, about his anatomical research and his wonderful anatomical drawings, date back to 1484, and his last records - to 1515. It is believed that it was while in Florence that Leonardo could have visited the local anatomical theater for the first time, where in the hospital of Santa Maria Nova, Leonardo da Vinci performed his anatomical dissections [1-3]. He was interested in the structure, types and shapes of bones and joints, the human muscular system, tendons and ligaments, the skull and brain, human eyes and much more. This tendency was reflected in the themes of his anatomical drawings. Further, in figure 1, only a small selection of anatomical drawings of the great Leonardo da Vinci, borrowed from the Internet, is presented [1-3].



**Figure 1:** A selection of anatomical drawings by Leonardo da Vinci.

Moving on to the presentation of the question of the anatomical activity of Leonardo da Vinci, in figure 2, I would like to present a small philatelic (postage stamps, envelopes, blocks, cardmaxiums, special cancellation postmarks) and philocartic selection (post cards) dedicated to his personality, in the form of his portraits, both on postage stamps, envelopes, and postal blocks [4,7,9-11]. It should be noted that, according to preliminary estimates, there are several hundred philatelic materials dedicated to the great Leonardo da Vinci, and maybe more. In this regard, it is absolutely impossible to present them all within the framework of one small research article, and this is not the intention of its author.

Further, in figure 3, a large selection of various philatelic materials (27 screenshot copies in total) is presented from the UK, Liechtenstein, the Netherlands, Japan, Italy, the USA, Mongolia, the Republics of Djibouti and the Congo, Bosnia and Herzegovina, the Republic of Guinea-Bissau, and also in a number of other countries, dedicated to anatomical studies and drawings of the great Italian



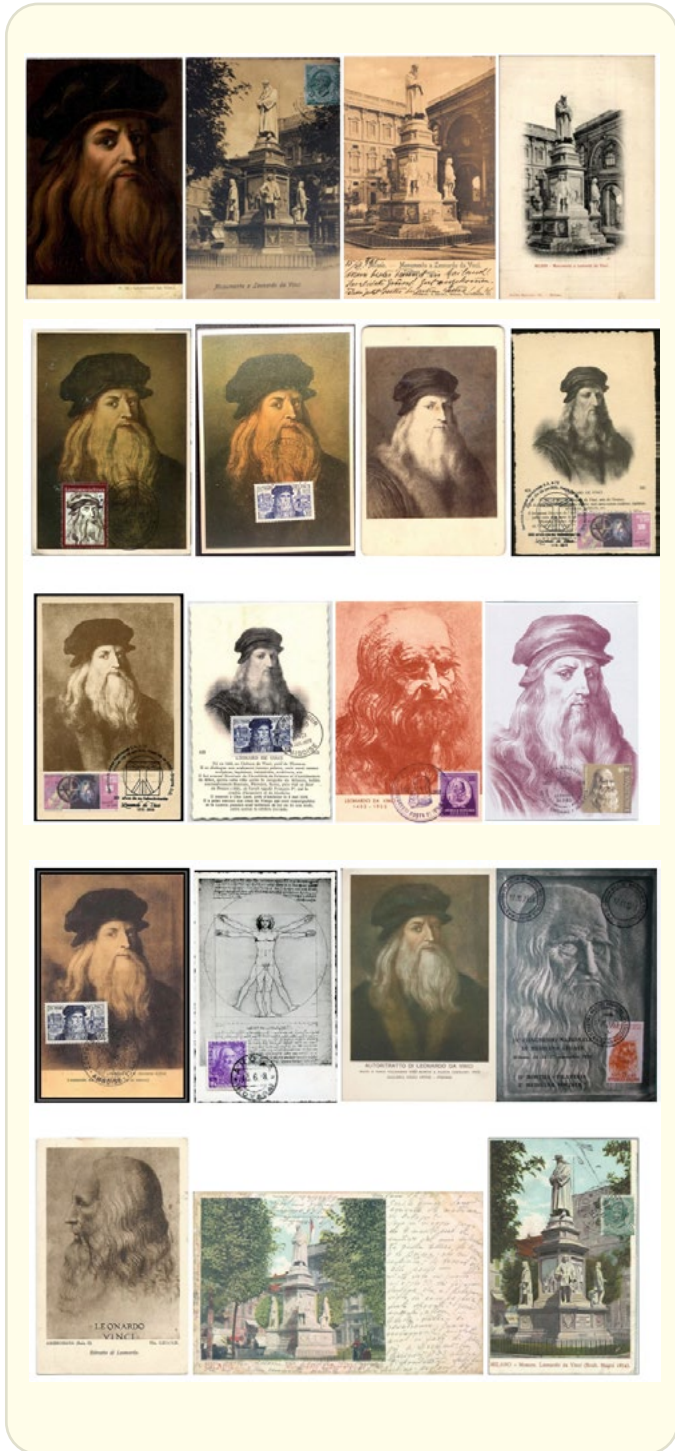
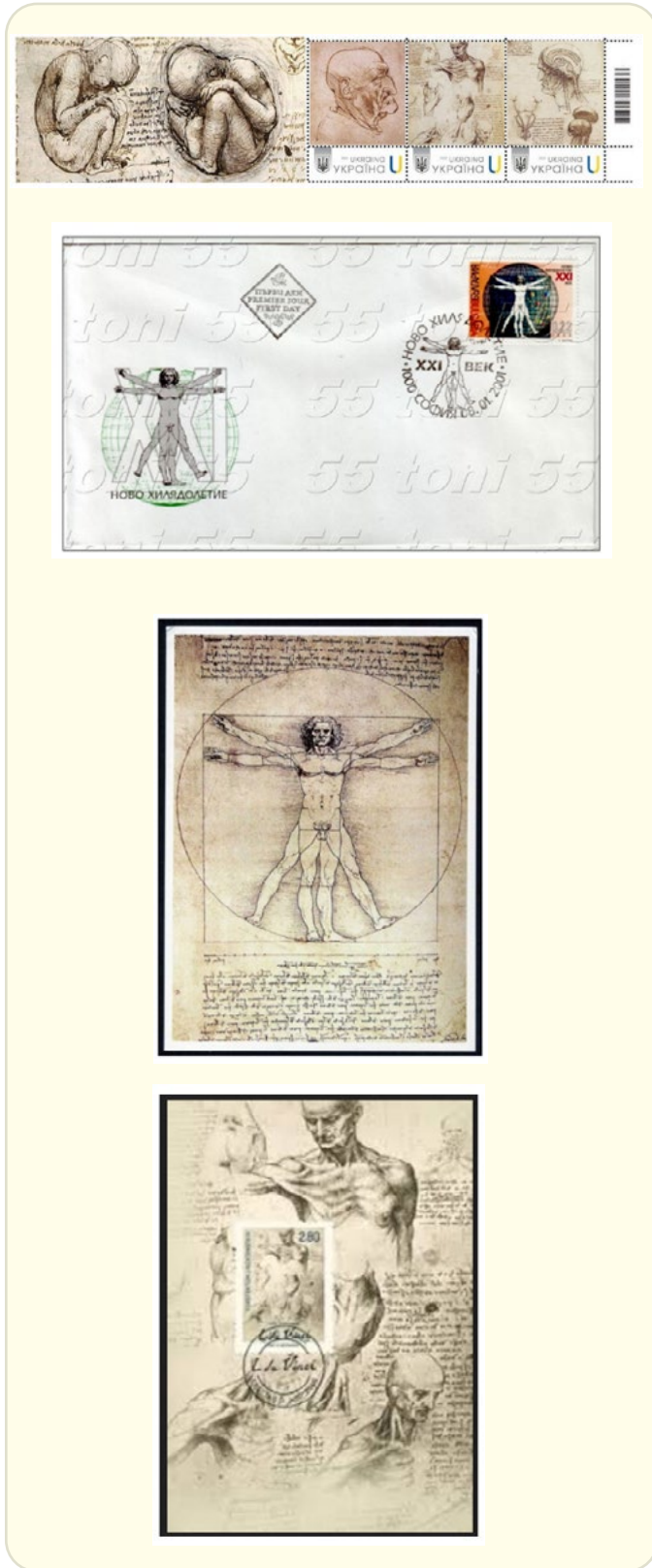




Figure 2: Philatelic selection of portraits of Leonardo da Vinci.

scientist Leonardo da Vinci (1452-1519) [4,7,9-12]. As can be seen from most of the philatelic miniatures presented, they depict subjects reflected in a number of anatomical drawings by Leonardo da Vinci, presented by the author at the beginning of his research article. Also, on many postage stamps and special postmarks from around the world, there is an image of the famous “Virtuvian Man” by Leonardo da Vinci.







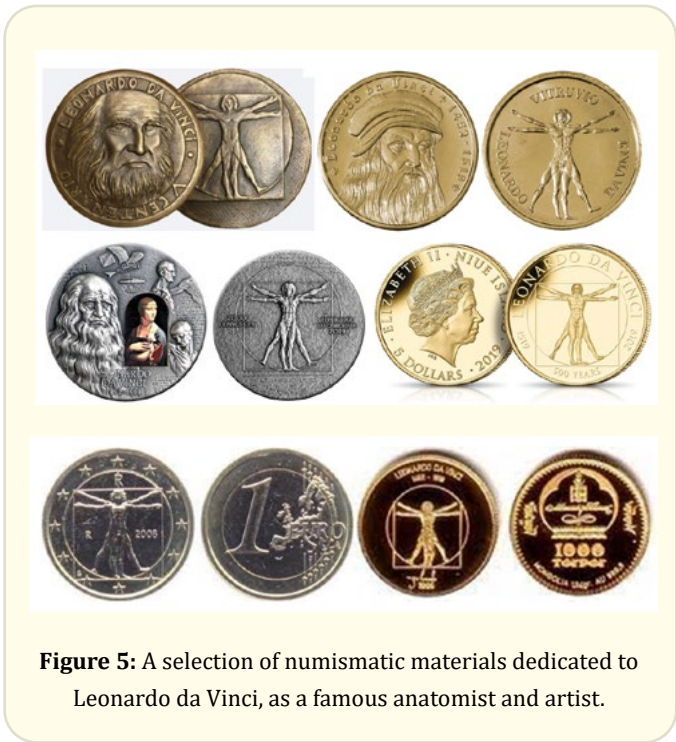
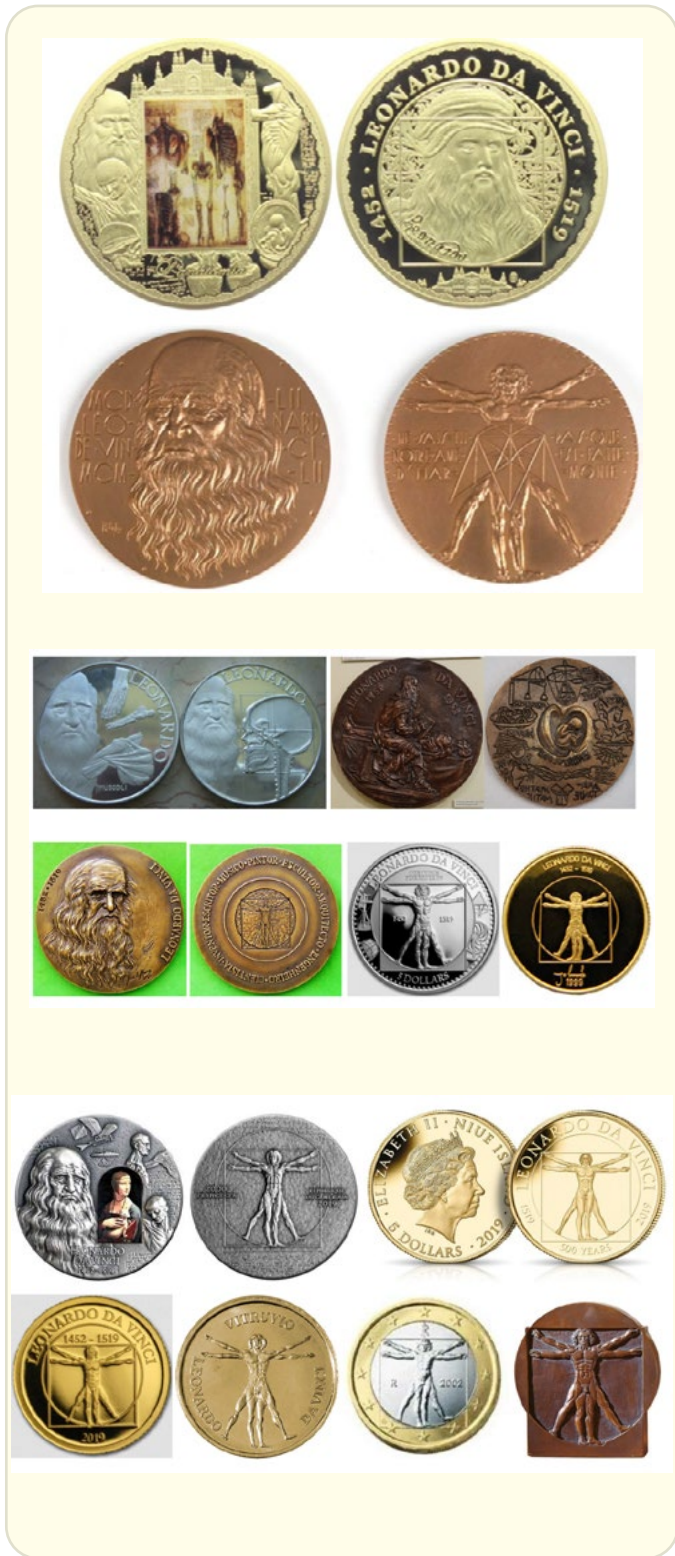
**Figure 3:** A selection of philatelic materials dedicated to Leonardo da Vinci, as a famous anatomist and artist.

Moving on to the reflection of anatomical drawings and the very personality of the great Leonardo da Vinci, figure 4 presents a small phaleristic thematic selection of thematic badges dedicated to both the scientist himself and, in particular, his famous anatomical drawings [12].



**Figure 4:** Faleristic selection of thematic badges, depicting anatomical drawings by Leonardo da Vinci.

Figure 5 shows a selection of commemorative medals dedicated to the study of anatomy by one of the geniuses of the Renaissance - Leonardo da Vinci (1452-1519) [8]. Excellent knowledge of human anatomy laid the foundation for the active use of anatomical knowledge and human proportions in the visual arts. His “golden section” of the proportions of the human body is known not only to anatomists, morphologists, artists, but also to many enlightened people around the world, for many centuries. Also, as a result of a new study, a commemorative silver medal, with gilding and a colored design applied, was found, dedicated to the great scientist and artist of the Renaissance - Leonardo da Vinci. This commemorative medal (2019), with a portrait of the scientist and his images of the human skeleton and muscular system, is presented in figure 5 [8].



**Figure 5:** A selection of numismatic materials dedicated to Leonardo da Vinci, as a famous anatomist and artist.

This concludes another author's research article dedicated to the history of anatomy and the famous anatomist and artist of the Renaissance, Leonardo da Vinci. And his anatomical drawings, in reflection of a number of collecting means. The author is preparing new articles on medicine, its history and anatomy.

**Conclusions**

- Due to the fact that there is not enough illustrative material about the anatomical studies of Leonardo da Vinci and his anatomical drawings, philatelic, phaleristic and numismatic materials presented in this research article, in a fairly complete volume, were able to present this scientist as a learned anatomist and the author of many anatomical drawings that serve as an anatomical atlas.
- Such means of collecting as philately, numismatics and many others are quite capable of presenting any topic, incl. – the life and scientific work of great people, such as, in particular, Leonardo da Vinci and his studies of human anatomy.
- Textual and illustrative materials presented in the article can be actively used as additional materials when studying such disciplines at the university as anatomy and history of medicine.

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