



Anatomy of the Human Hearing Organs in Reflection of Phaleristics - on Themed Badges and Brooches

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Abstract

This author's research article presents the results and comments on the reflection in phaleristics, on thematic badges and brooches, plot drawings, with a representation of the anatomy of the human visual and hearing organs, with their image. As illustrations for the text of the article, the author uses screenshots of thematic badges and brooches, used illustrations taken from various sites on the Internet, accompanied by additional comments. In total, this research article presents 161 phaleristic illustrations. All thematic badges and brooches are presented in their own subsections, with an arbitrary number of them.

Keywords: Infants language; Neural Dynamic Implementation; Language; Cognition; Connectism; Logical Thinking; Psychology; Pscyhical Cortex; Enviroment

Introduction

The study of human anatomy, as one of the most important branches of medical science, is always an important and topical issue of ongoing research. Such research, using a variety of collecting means in such research, makes it especially interesting and exclusive. In this scientific article, which is the next in a series of original scientific articles, in particular, on the anatomy of the human hearing organ, where the author uses the means of phaleristics as illustrations - thematic anatomical badges and brooches, the overwhelming number of represented copies of badges are on its front part, a detailed image of the various parts of the human hearing organ, starting from the auricle, as well as the constituent elements of the inner ear - the auditory canal, the ossicles of the malleus, the incus and stapes, the eardrum, on a number of thematic badges, their topography, innervation and blood supply.

On a number of badges, the image of the human hearing organ is schematic, and there are badges in a highly artistic, art image. What is surprising is not only the significant number of published phaleristic materials on medical and, specifically, anatomical topics, but also, in particular, thematic badges in such an extremely rare

area as the anatomy of the human hearing organ. This, indirectly, may indicate increased interest, both among collectors and other categories of people, in the subject of this area, in the field of phaleristics.

Aim of study

The purpose of this article is to reflect the representation of phaleristic materials in the form of thematic anatomical badges and brooches dedicated to the anatomy of the human hearing organ.

Material and Methods

When writing this article, its author uses methods such as literary critical analysis of all domestic and foreign sources of information available at the time of writing this article. After careful selection and systematization of the selected illustrative material of thematic anatomical badges and brooches, all of them were divided into subsections, according to the topic, the structure of the human hearing organ. All found illustrative materials were converted by the author into screenshots, and those used in this article into thematic illustrations, with strict observance of copyright and mandatory indication of sources/links of their borrowing on the Internet.

Results and Discussion

I would like to begin the presentation of the found phaleristic materials with the presentation of thematic badges, depicting the anatomical structure of the human hearing organ, its blood supply and innervation of the human auditory apparatus, with its topography, as well as the external auditory canal, which are presented in figure 1, a total of 71 phaleristic copies of thematic badges [1-3,5-12]. This thematic anatomical phaleristic collection presents badges and brooches depicting the human hearing organ and its various parts - the auricles, parts of the pyramid of the temporal bone, the cochlea, the ossicles of the incus and stapes, and the eardrum.



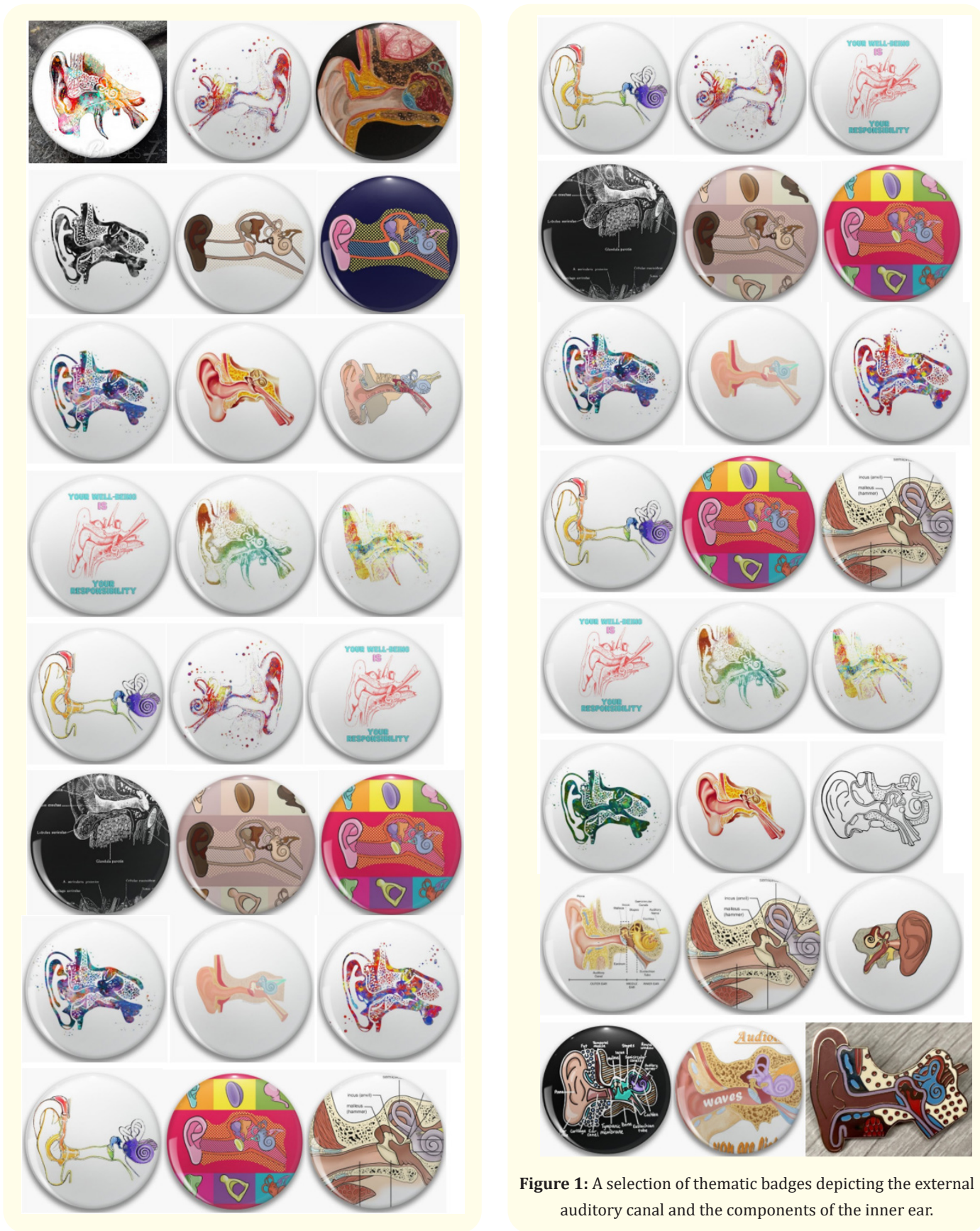


Figure 1: A selection of thematic badges depicting the external auditory canal and the components of the inner ear.

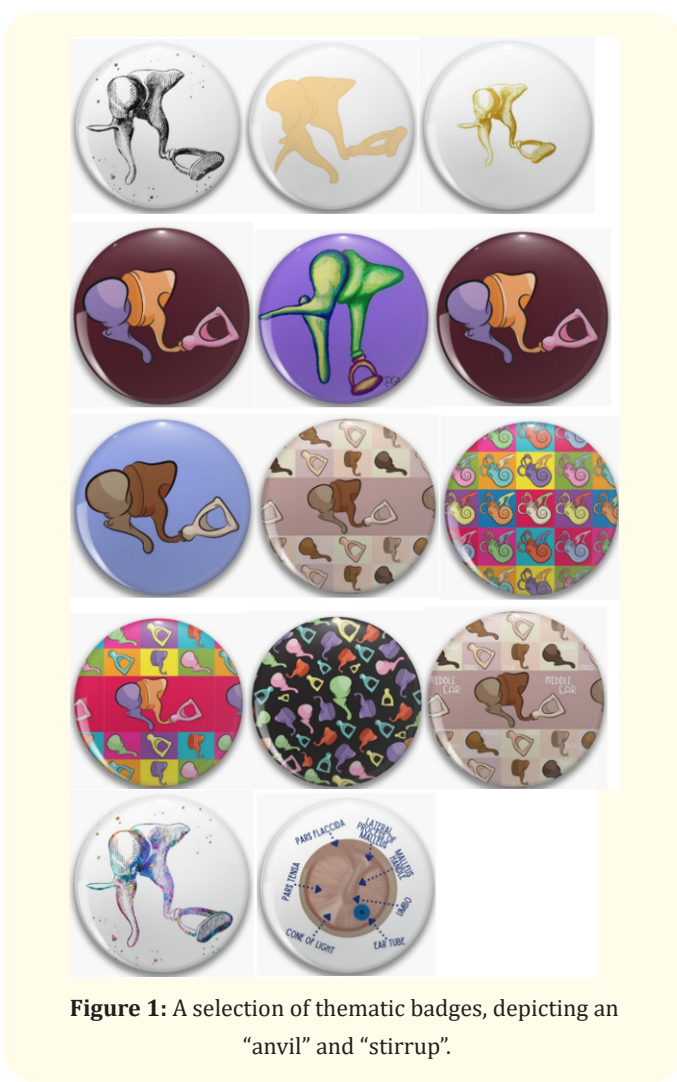
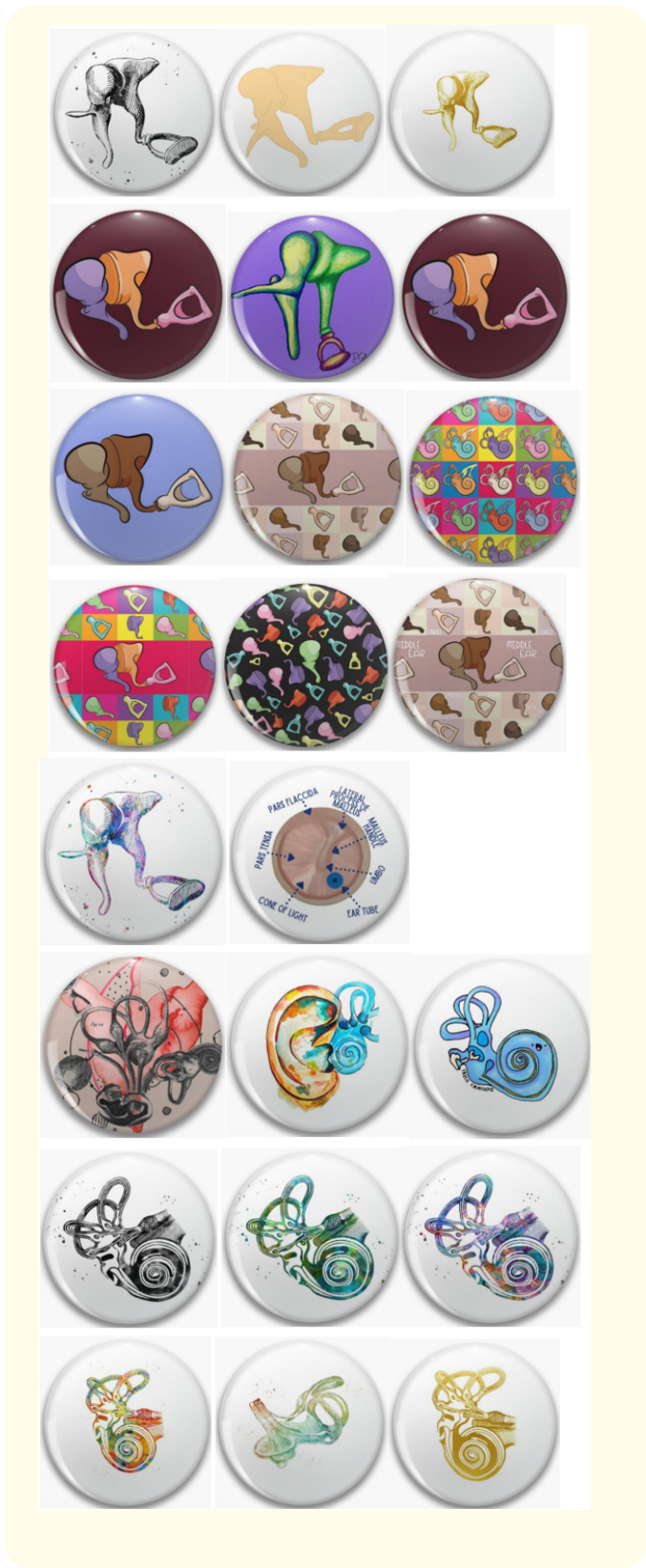




Figure 3: Anatomical structure of the human inner ear - "cochlea".



Figure 4: Phaleristic selection dedicated to the image of the human auricle, on anatomical thematic badges.



Figure 5: Art images of the human hearing organ.

In above figure 2, a small phaleristic selection is presented, consisting of 14 copies of thematic badges, depicting on them such elements of the inner ear as the bones - “hammer”, “invil” and “stirrup”, and - the eardrum [1-3,5-11].

The following above figure 3 shows a small selection of thematic icons - 27 copies, depicting a “snail” as an important part of the human inner ear [1-3,5-11].

Above figure 4 shows a small selection of thematic badges depicting the human auricle, its blood supply and the external auditory canal - 17 copies in total [1-3,5-11].

In the selection of thematic badges presented in above figure 5, art images of the human hearing organ are presented - 25 copies in total [1-3,5-11].

In above figure 6, a small selection of thematic anatomical brooches made of gold and silver is presented, depicting the auricle and cochlea, the human hearing organ - 5 copies in total [4].

This concludes the author’s next research article devoted to human anatomy, in particular to the organ of hearing and all its components, reflecting such means of phaleristics as thematic anatomical badges and brooches. The author is preparing the following article dedicated to the human visual organ, as reflected by phaleristic materials.

Conclusions

- The author of this original research article, in full, managed to fulfill the stated goal and present 161 screenshots, thematic, anatomical badges depicting the human hearing organ, which indicates a significant representation of faleristic materials devoted to human anatomy.
- Modern phaleristics, in the form of thematic anatomical badges dedicated to the human hearing organ, is more than fully presented in this author’s research article.
- The creative technique proposed by the author, using, in the form of illustrations, screenshots of collection materials, in this case, faleristic, bright, colorful, informative and appropriate, complements the text materials presented in this article.

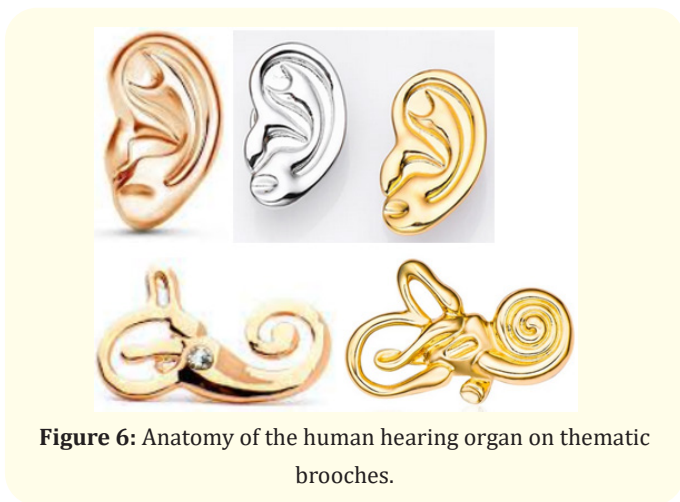


Figure 6: Anatomy of the human hearing organ on thematic brooches.

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8. Human Ear Badge Reel Human Ear Retractable Badge Holder.
9. Set of 3 Human Ear Badge Reels.
10. Realistic Human Ear Pyrography Pin Badge.
11. Cochlear Badges and Pins.
12. Ear Anatomy 2.7 X 3.5cm Hard Enamel Pin Badge. Cochlea, Ear Canal, Inner Ear, Etc.