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Research Article

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Modern Means of Medical Diagnosis and Treatment, in The Reflection of The Means of Philately

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Abstract

This article presents the results of a study concerning the reflection, in the means of philately, of modern methods of medical diagnosis and treatment, such as computer tomography, gastroscopy, radiological diagnosis and treatment, and a number of others.

Keywords: Modern Medical Diagnostics and Treatment Methods, Computer Tomography, Cardiology Diagnostics and Treatment, Angiography, Aorto-Coronary Bypass Surgery, Esophago-Gastro-Duodenography, Philately, Postage Stamps, Envelopes.

Introduction

Diagnosis and treatment have been the most important branches of medicine since antiquity. In recent decades, these areas of medical science have made significant progress, with the most active use of modern scientific and technological advances, using the finest equipment and instrumentation, in all clinical disciplines. These achievements have not gone unnoticed in modern philately, which is reflected in the issuance of various types of philatelic materials - postage stamps, envelopes, postal blocks and stamps, on cards and postcards. In recent decades, quite a large number of them were issued, some of these philatelic materials, will be presented in this research author's article, as screenshots of these philatelic materials, with absolute observance of copyrights.

Aim Article

Purpose of work: to present the results of the conducted research, demonstrating the manifestation, and the degree of display, in various means of philately, of modern methods of diagnosis and treatment, of various diseases in patients with diseases of different organs and systems of the human organism.

Methods and Means of Research

During the preparation of this research article, the author used such methods as a careful thematic selection of philatelic materials, in all available sources of information, including specialized philatelic Internet sites and pages for collectors, specialized philatelic catalogs and reference books. Also, after finding these materials, their systematization and analysis were carried out, which was reflected in the text and illustration design of this research, thematic article of the author. All found materials were divided into sections on diagnostics and treatment of patients, as well as on clinical disciplines, for example, cardiology, gastroenterology, etc.

Results of the Study and Discussion

We would like to begin the presentation of the results of the study with a presentation of methods used in the diagnosis of a variety of human diseases. One of such modern diagnostic methods used today in medicine to diagnose diseases of different organs and systems of the human body is a computer tomography. Figure 1 shows a small selection of postage stamps, as well as art stamped envelopes and first-day envelopes, thematically dedicated to computed tomography [3, 4].

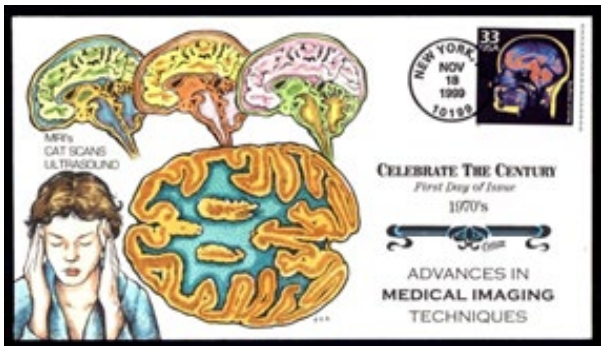

25
30
35
41

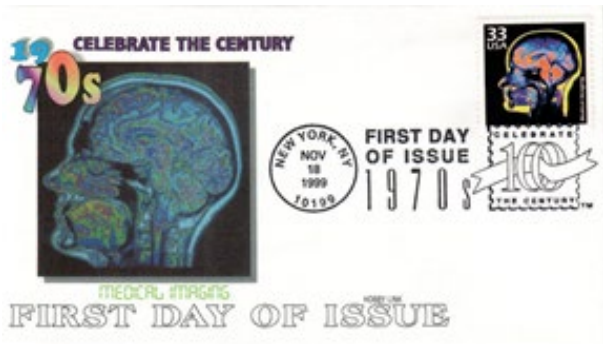

Celebrate the Century
Medical Imaging
1970-1979
33
FIRST DAY OF ISSUE
1970s


GRENADA/CARRIACOU
& PETITE MARTINIQUE
20¢


Celebrate the Century
First Day of Issue


33
NEW YORK, NY
NOV
18
1999
10199
FIRST DAY
OF ISSUE
1970s


MRI's
CAT SCANS
ULTRASOUND
CELEBRATE THE CENTURY
First Day of Issue
1970's
ADVANCES IN
MEDICAL IMAGING
TECHNIQUES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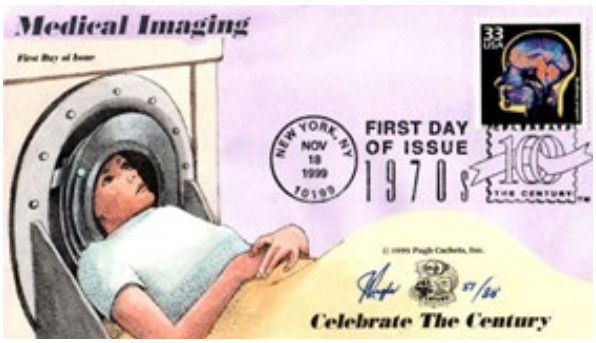
MEDICAL IMAGING
FIRST DAY OF ISSUE


Celebrate
the
Century
1970-1979
FIRST DAY
OF ISSUE
1970s


Medical Imaging
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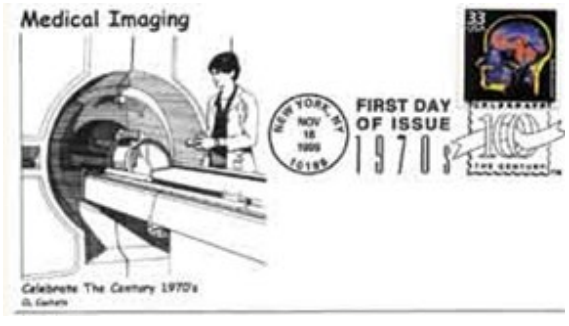
Celebrate The Century


Medical Imaging
FIRST DAY
OF ISSUE
1970s
Celebrate The Century 1970's


DANMARK
FIRST DAY COVER


33
USA
FIRST DAY
OF ISSUE
1970s
Medical Imaging
New Windows into the Human Body
Celebrating the 20th Century
1970-1979

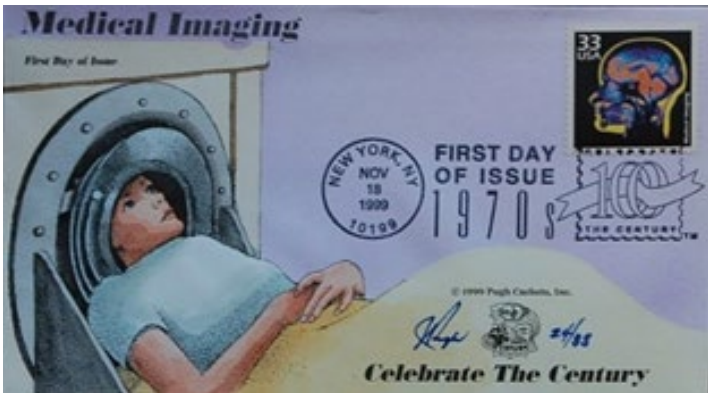

МАКЕДОНИЈА 5


BANGLADESH


EUROPA
COMPUTED TOMOGRAPHY
41


97


MAGNETIC RESONANCE IMAGING
35


Medical Imaging
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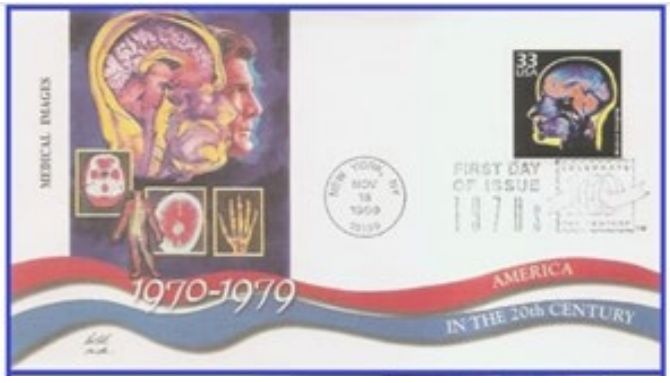
Celebrate The Century


Health Research USA


MEDICAL IMAGES
33
USA
FIRST DAY
OF ISSUE
1970s
1970-1979
AMERICA
IN THE 20th CENTURY


Celebrate the Century
Medical Imaging
1970-1979
33
USA
FIRST DAY
OF ISSUE
1970s

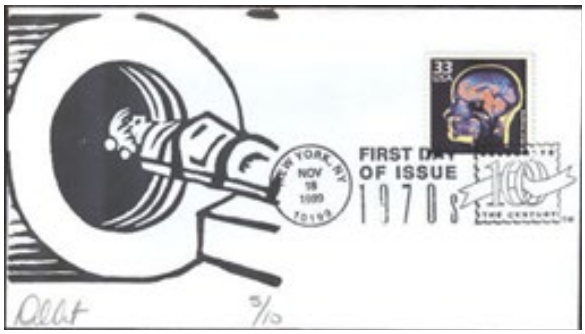

Celebrate the Century
First Day of Issue


Biocentennial, Watergate, and Earth Day
1970s
Celebrating the Century


FIRST DAY OF ISSUE
1970s
Nancy B. Elms
194 Delaware Trail
Jackson, New Jersey 08527


Celebrate the Century
Medical Imaging
1970-1979
FIRST DAY OF ISSUE
1970s


Medical Imaging
FIRST DAY OF ISSUE
1970s
Celebrate the Century - 1970s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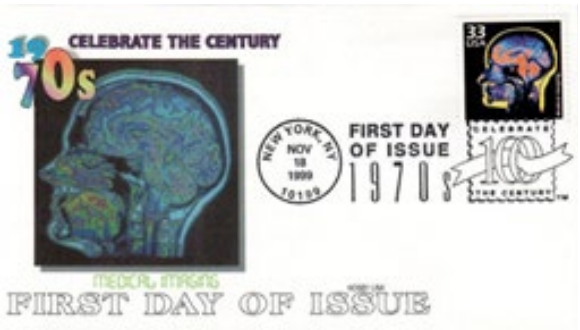

CELEBRATE THE CENTURY
1970s
FIRST DAY OF ISSUE
1970s
MEDICAL IMAGING
FIRST DAY OF ISSUE


Medical Imaging
FIRST DAY OF ISSUE
1970s
Celebrate The Century

Figure 1: Computed tomography in reflection of philately

Then, in Fig. 2, there is a selection of philatelic materials devoted to cardiological techniques, starting with tonometry techniques, electrocardiography (ECG), phonocardiography (PCG) and intracardiac interventions, such as cardiovascularography, aorto-coronary bypass surgery, pacemaker placement and heart valve replacement [3, 4].


BELGIQUE
BELGIË
6F+3F


300
REPUBLIC OF CHINA


Mes Mundial de
Lucha Contra la
Hipertensión Arterial
Vigile su
Presión
Arterial
CMCHA
MEXICO
AEREO
1.60


VEREINTE NATIONEN
S6


BRITISH
VIRGIN
ISLANDS
60c


Ersttag
WELTHERZMONAT APRIL 1972
FIRST DAY OF ISSUE
ERSTTAG


پاکستان
PAKISTAN
20P
POSTAGE
پاکستان
PAKISTAN
Rs.2
DOWN
WITH
HIGH
BLOOD
PRESSURE
POSTAGE

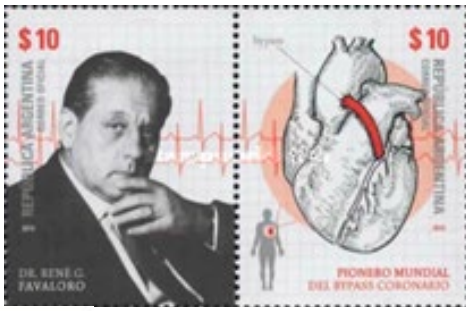

RP SHQIPERISE


ישראל
3.00


IMPLANTABLE DEFIBRILLATOR
ISRAEL
5.00
ISRAELI ACHIEVEMENTS
CARDIOLOGY

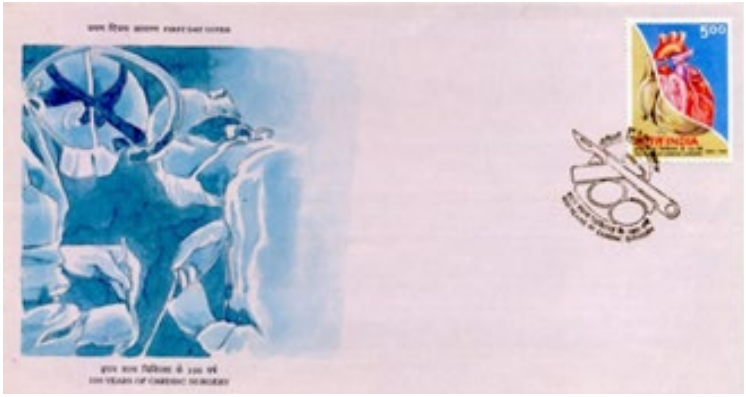

ישראל
4.20
ISRAELI ACHIEVEMENTS
CARDIOLOGY


SUOMI·FINLAND
1877
1977
0,90+0,20


$10
$10
DR. RENE G. FAVALORO
PIONERO MUNDIAL DEL BYPASS CORONARIO


50 Jahre Nobelpreis
Werner Forßmann
Deutschland
90
www.delcampe.net


CORREO
$10
$10
FUNDACIÓN FAVALORO
Silkevor
www.delcampe.net




50c
DOWN WITH HIGH BLOOD PRESSURE
UGANDA


WORLD HYPERTENSION MONTH
APRIL
1978
PAKISTAN
PAKISTAN


Pacemaker
Stimulateur cardiaque
Innovations
Canada


РОССИЯ


150
1992-١٤١٢
يوم الصحة العالمي
75
1992-١٤١٢
يوم الصحة العالمي


MEDICAL INNOVATIONS
Cardiac pacing
$1.10
Australia

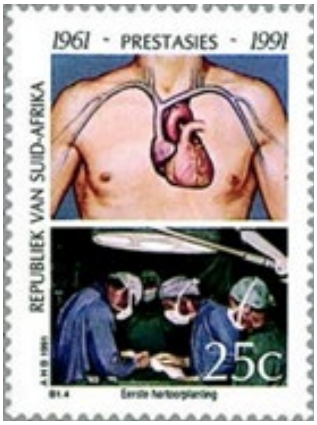

1961 - PRESTASIES - 1991
REPUBLIEK VAN SUID-AFRIKA
25c

Figure 2: Diagnostic and treatment methods used in cardiology in the reflection of philatelic means

Further, I would like to present, in a philatelic selection, in Fig. 3, methods and means of diagnostics and treatment used in modern gastroenterology [3, 4]. Most often, these are philatelic miniatures dedicated to EFGDS/FGDS - esophago-fibro-gastro-duodenoscopy or fibro-gastroscopy, carried out with the help of a flexible-fiber device - gastroscope. But, there is an Israeli postage stamp dedicated to an innovative technique, using a visual device-capsule, to examine all parts of the digestive system, to examine both the large and small intestine [3, 4].

Figure 3: FGDS and endoscopic techniques in gastroenterology

Fig. 4, presents postage stamps and envelopes devoted to a number of treatment and diagnostic methods used in modern medicine, such as - sternal puncture, robotic methods of diagnosis and treatment of spinal pathology, radiological methods of investigation and radiological/radiological methods of treatment of a number of oncological diseases, angiography of brain vessels [3, 4].

Figure 4: Modern methods of diagnosis and treatment in reflection of different means of collectiona

Fig. 5, presents a small selection of philatelic materials devoted to modern methods of diagnostics and treatment used in modern ophthalmology, including ophthalmoscopy, examination of eye fundus and retina, laser therapy used in retinal pathology and other methods, as well as such progressive method of treatment as donor and cadaveric keratoplastyc [3, 4].

Figure 5: Diagnostic and treatment methods used in modern ophthalmology

To conclude this article, there is a small, philatelic mixtape covering such diagnostic and treatment methods as radiological, including mammography and cobalt radiation therapy for tumors, the use of electron microscopes, and laser therapy. There are also postage stamps devoted to treatment methods in traumatology and orthopedics, such as the Ilizarov apparatus and cytological tests, including the famous PAP-test for papillomavirus infection (Fig. 6) [1-4].

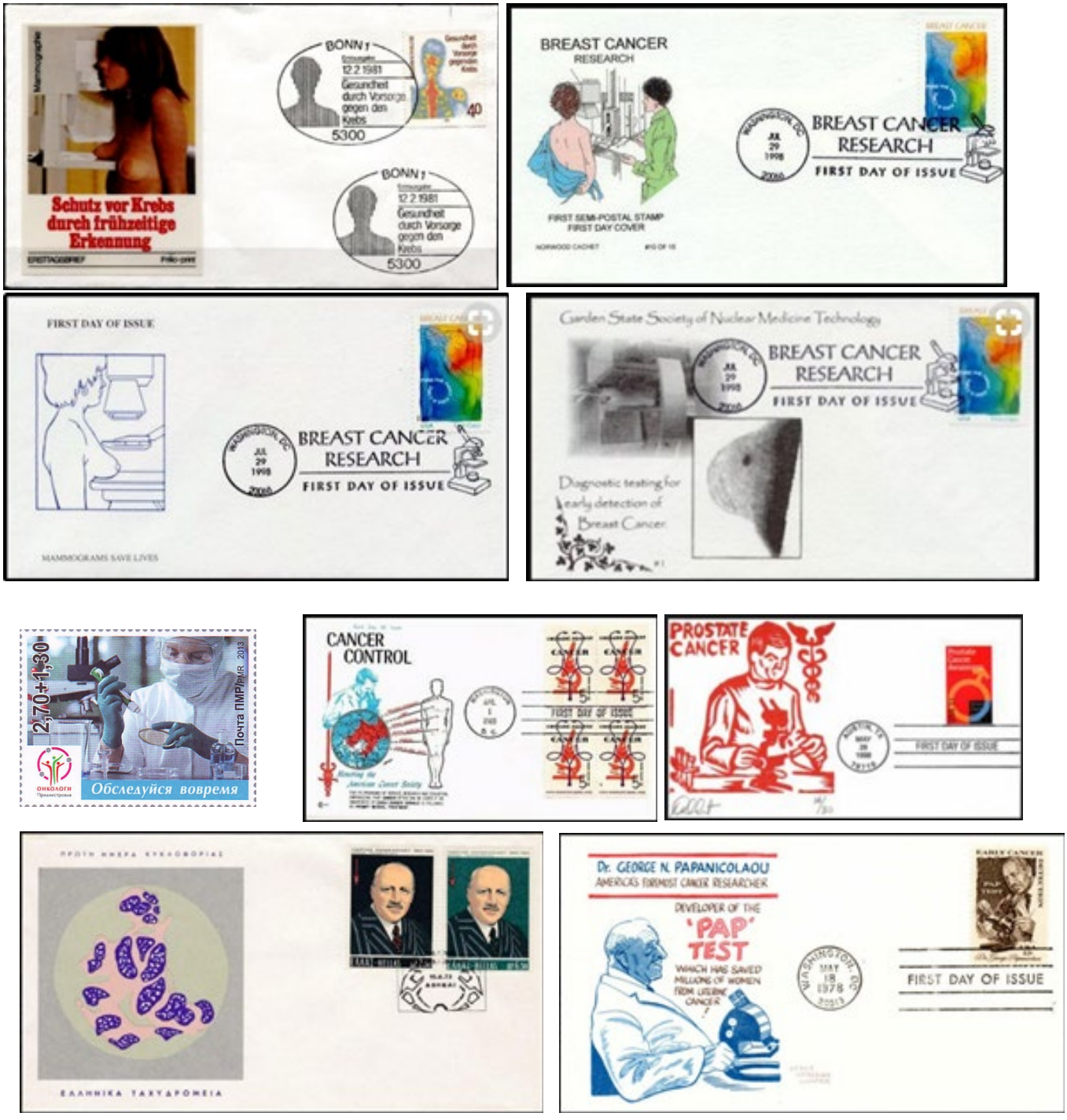


Figure 6: Methods of cytology and applied in oncology

Conclusion

This concludes another research article by the author on the research and treatment methods used in various fields of modern medicine. New research materials are being prepared, thematically, on the issue under study.

1. In this research article, the author was able, in a sufficiently complete volume, to reflect a number of methods of modern diagnosis and treatment used in different areas of many of the clinical disciplines and directions of today's medicine.
2. Modern means of philately, in all their diversity, are able, quite accessibly, colorfully and creatively reflect and illustrate any of the sections of modern medicine and biology.
3. The author, in his article, has fully enough reflected the purpose of writing this article and the research he has carried out.

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3. Scott specialized catalogue of Worlds stamps. (2015). New York: Scott. HE6185.U5 S3 55th. – 876 p.
4. Used stamps - ANDORRA ANDORRE Postes (2021) - Homenatge esforços tothom davant COVID-19 - Timbre, sello, stamp COIN DATÉ Date postmark URL: https:// delcampe.net (date of reference 24.11.2022).