



PLEXUS

THE NEWSLETTER OF THE INTERNATIONAL FEDERATION OF ASSOCIATIONS OF ANATOMISTS

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EDITORIAL

Dear Colleagues,

Another year rich in Anatomy and herein another issue of your regular IFAA newsletter.

We are pleased to share contributions from several of you as well as information from the newest society to join IFAA, the Society of Clinical Anatomists of India. It is our privilege to form the connections between so many societies and share their contributions to our discipline.

We also pleased to showcase World Anatomy Day celebrations from IFAA member societies across the world. A brief look at this issue of Plexus will clearly show that this day of anatomical activities across the world serves to highlight our discipline and hopefully increase the interest in the anatomical sciences among both the lay population and students in the health sciences. We most certainly need more anatomists and especially those who are clinically trained to nurture the minds of our students and hopefully gently nudge a few of them to become anatomists themselves.

I am sure that many more WAD celebrations actually took place across the world and we would like to publish details of these in our next issue. Please keep them coming!

We also urge all member associations to mark your calendars and attend the General Assembly of the IFAA to be held on September 8, 2024 between 2-5pm local time, during the IFAA Congress in Gwangju, South Korea. Important events will include electing the next IFAA Executive Committee as well as voting for the site for the next IFAA Congress in 2029.

Finally, I wish to thank Shiby for her continuous editorial support during my tenure as Editor of Plexus.

Isabel and Shiby

A Note from Your President

Warm greetings to all anatomists.

The year 2024 is an exciting year on the IFAA calendar!

- The **IFAA Congress in Gwangju, South Korea** in September is promising to be an exceptional display of anatomical research. With almost 1000 proposed abstracts and anatomists from 47 countries indicating their attendance, this Congress promises to provide a wonderful opportunity for global anatomists to meet and take part in discussions important for our discipline! The Korean Local Congress Committee have designed pre-Congress workshops which are particularly aimed at emergent anatomists. In addition, 47 Symposia which span the wide spectrum of anatomical sub-disciplines, will provide opportunities to learn and debate. Please see the Congress Website at: <https://www.ifaa2024.org/>
- The **General Assembly (GA) of the IFAA** will take place at the IFAA Congress2024 in Gwangju. This is a significant meeting for the Representatives of all IFAA member Associations. The GA meeting will take place on **Sunday, 8th September 2024 between 2-5pm local time**. Documents for this important meeting will be sent to all Representatives by the Secretary General of the IFAA, Professor Diogo Pais, in early June 2024. Voting for the next IFAA Executive Committee will be take place at this meeting. In addition, member association Representatives will also be required to vote for the site for the next IFAA Congress in 2029.
- The **President's Emergent Anatomists Programme (PEAP)** continues to deliver interesting communications to emergent academics. This month, being International Women's month, PEAP will host a Webinar entitled "**Women in Science**" on 8th April 2024 at UTC 18h00.
- World **Anatomy Day (October 15th)** will be a further highlight of this exciting year! The IFAA Executive will forward the topic for the day to all member associations soon.

I look forward to renewing friendships and seeing many of you in Korea in September!
With warm anatomical greeting,

Bev Kramer
President: IFAA

American Association for Anatomy (AAA)
Anatomical Visualization: The Pathway to Progress

As we prepped for our annual meeting, Anatomy Connected 2024, we took some time to consider the theme: Visualizing Anatomy. Why place so much importance on the artistry used to display science? Visualization and anatomical science, education, and research are inextricably linked and have been since the dawn of anatomical study. A seasoned subject matter expert may know how to recognize the expression of Ehlers-Danlos syndrome genes or what cranial osteology is at the drop of a hat, but the general population does not. We enlisted the help of our Program Committee Chairs, Drs. Joan Richtsmeier and Matthew Vickaryous, to guide us through the importance and intended impact of this year's theme. Data reports show that roughly 65% of the population are visual learners. With such a wide variety of applications in the sphere of scientific research and education, the Program Committee saw fit to emphasize the vital role that scientific artists play in bolstering the everyday work of anatomical scientists, researchers, and educators.

"It seems trite to say that a good picture is worth a thousand words, but it actually is," said Richtsmeier. "Many of us are visual learners and an effective illustration or explanatory animation can make what seemed impossible to understand clear."

Not only do visualizations have the potential to embed a deeper understanding of the subject matter, but they also can connect research disciplines, educational approaches, and scientific interpretations.

"Visualization in all its manifestations plays an obvious role in reporting and discussing information," said Vickaryous. "[They] are critical in teaching anatomy, communicating information, and engaging the public about what we do in ways that are sensitive to the layman's understanding of human anatomy."

Anatomical artists create visual aids that are not only used as supporting documentation in complex research studies for the eyes of decorated scientists but also as a pathway to learning for a new student of anatomy, or anyone for that matter. Gaining support from the Association of Medical Illustrators, the guest society for Anatomy Connected this year, provided a unique perspective on what and how data and ideas should be shared. The Program Committee put together a robust panel of speakers, including Drew Berry, a celebrated scientist turned biomedical animator who reveals how molecular and cellular processes behave, and Kurt Schwenk, who uses slow-motion video to analyze the function morphology of feeding behaviors.

"These are processes few people can view in real-time, but [they] make them available to a large audience," said Richtsmeier.

Creating resources, art, and studies that are accessible to all, regardless of knowledge base, is what will drive the future. Both Richtsmeier and Vickaryous look forward to witnessing collaborations blossom as a result of the theme, noting that "graphical abstracts are now accepted in many journals."

We are all at our core students. We are forever seeking greater knowledge and a deeper understanding of ourselves and the world around us. What better way to share, advance, and innovate than to **show** our findings in partnership with reporting on them? If anything can be gained from Anatomy Connected 2024, our partnership with AMI, or this article, it is that new ideas, approaches, and collaborations are just a click away. Join an association, attend conferences, and become a part of the conversation.

In Memoriam

Victor Cox– 1941 – 2023

- University of Minnesota Veterinarian College
- Founder of the Anatomy Museum
- Dr. Vic Cox Scholarship in Bovine Medicine for students



Linda Walters – 1951 - 2023

- Midwestern University/Arizona College of Osteopathic Medicine
- Chair of Anatomy



Aaron John Ladman– 1925 – 2023

- Editor in Chief of The Anatomical Record 1968-1998
- Professor of Anatomy Hahnemann University 1981-1994
- AAA Service Award named after him



Welcoming A New Society to the IFAA:

The Society of Clinical Anatomists (SOCA), India

Brief history of the Society of Clinical Anatomists (SOCA), India:

The **Society of Clinical Anatomists (SOCA)**, India is dedicated to furthering knowledge in the field of Clinical Based Anatomy. The members of SOCA aim to bridge the gap between Anatomists and Clinicians and to explore new dimensions in Clinical Anatomy.

The Society was founded on the 19th of July 2011 by nine clinical anatomists from Salem and one clinical anatomist from Chennai, Tamil Nadu, India who all had signed as the members of the First Governing Body in the registered Memorandum of Association (Bye-laws Document).

The Society was inaugurated on the 9th of June, 2012 at Hotel Ashok Residency in front of Sri Ramachandra Medical College, Porur, Chennai by the eminent Clinical Anatomist, **Dr.Sudha Seshayyan** who is the former Vice Chancellor of the Tamil Nadu Dr. MGR Medical University, Chennai, Tamil Nadu, India. As of 16th November 2023 the Society has 2260 life members.

The Society Journal, the **National Journal of Clinical Anatomy (NJCA)** was launched in **January 2012** in Salem, Tamil Nadu, India by the efforts of **Dr.N.Muthukumaravel** who was its Founder and first Editor-in-Chief. He indexed the Journal in Index Copernicus International and IndMed. Dr. Kumar Satish Ravi, the present Editor in Chief indexed the journal under **DOAJ, SCOPUS** and included it under Scimago Journal Ranking. Presently, the NJCA is a **Q4 journal with SJR – 0.124 and ranks 41st** in the subject area. The cite score of the Journal is 0.3 (2022).

The following eleven National Conferences of SOCA had been organized so far by the following Clinical Anatomists as Organizing Secretaries:

Sl.No.	Name of Conference	Place	Organizing Secretary
1	SOCA 2012	Chennai	Dr. Gunapriya Raghunath
2	SOCA 2013	Salem	Dr. N.Muthukumaravel
3	SOCA 2014	Pondicherry	Dr. M.Sivakumar
4	SOCA 2015	Coimbatore	Dr. D.Ravichandran
5	SOCA 2016	Amritsar	Dr. Anupama Mahajan
6	SOCA 2017	Belagavi	Dr. Daksha Dixit
7	SOCA 2018	Bhopal	Dr. Bertha Rathinam
8	SOCA 2019	Chennai	Dr. T.Vijaya Sagar
9	SOCA 2020	Ahmedabad	Dr. Jitendra P Patel
10	SOCA 2022	Dehradun	Dr. Mahendra Kumar Pant
11	SOCA 2023	Ludhiana	Dr. Hitant Vohra

Website of SOCA & NJCA: <https://www.clinicalanatomists.org> & <http://www.njca.info>

Office Bearers of SOCA

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Activities of SOCA (2022-2023)

1. For the 3rd consecutive year, **World Anatomy Day 2022** was observed by the National Journal of Clinical Anatomy (NJCA) under the auspices of the Society of Clinical Anatomists (SOCA) INDIA with the participation of the following eminent academicians' .

Theme: Evidence-based Anatomy.

Chief Guest: Dr. B. N. Gangadhar, Ex. Director, NIMHANS Bangalore and President, MARB, National Medical commission.

Guest Speakers:

1. Dr. Meenu Singh, Executive Director, AIIMS, Rishikesh- Preparing and publishing: A systematic review
 2. Dr. Surekha Kishore, Executive Director, AIIMS, Gorakhpur- Quantitative research – Methods, challenges, and key steps
 3. Dr. Mukesh Tripathi, Director, AIIMS Mangalagiri - Publications: why do we need to do?
 4. The Webinar had over 1500 registrations and sessions were well appreciated by the delegates.
- IV. **2023 World Congress of Clinical Anatomists** and 11th Annual Meeting of Society of Clinical Anatomists 2 – 4th February 2023.

Theme: Research in the Anatomical Sciences

“World Congress of Clinical Anatomists” – 11th Annual Meeting of the Society of clinical anatomists was held from 2-4th February 2023 at Dayanand Medical College and Hospital (DMCH), Ludhiana. The pre-conference workshop focused on the anatomy of the cranio-vertebral junction. Workshop participants included 81 enthusiastic anatomists and neurosurgeons as well as 100 medical students. The workshop was designed and conducted by a team of Anatomists and neurosurgeons at DMCH. The Stalwart neurosurgeons from PGI, Chandigarh also joined as resource faculty to guide the participants. The complex anatomical approach to the cervico-thoracic junction of spine was explored in the workshop. The programme was meticulously planned to provide an enriching academic feast for both Faculty and postgraduates attending the conference. The Keynote Address was given by our esteemed guest of honour Dr. Sudha Seshayyan, The former Vice-Chancellor of Tamilnadu Dr. M.G.R. Medical University. For the first time in the history of SOCA, the first-ever Life Time Achievement Award was presented by the Society to Dr. Sudha Seshayyan. The presence of the renowned international speaker, Professor Richard Tunstall from Warwick Medical School, UK as well as numerous national speakers, and 270 registered delegates were the highlights of the conference. The distinguished guest speakers gave presentations on topics such as Research Scenario in non-Clinical Sciences, Evidence Based Surface Anatomy: an essential part of clinical training and practice, Grant writing: Tips and Tricks and, Chemo architecture of the Human Brain stem.

The SOCA conference offered an ideal platform to showcase the latest research through around 125 oral & poster presentations. A gala dinner and shopping spree added charm to the stay for all national and international delegates from all over the world. The two day conference “Research in Anatomical Sciences “was a fantastic opportunity to network with anatomists and broaden experience.



World Anatomy Day Celebrations:

Society of Clinical Anatomists, India



World Anatomy Day 2023

A day of action & awareness by Society of Clinical Anatomists(SOCA),India

OCTOBER 15, 2023

2 pm
Online

Webinar

Theme - " Biomedical Visualisation "

Chief Guest



Prof. M. Srinivas
Director & CEO
AIIMS New Delhi

Guest of Honour



Prof. Minu Bajpai
Hon. Executive Director &
Vice President, National Board of
Examinations in Medical Sciences

Distinguished Speaker



Professor Paul M. Rea
Professor of Digital & Anatomical
Education; Director of Innovation,
Engagement & Enterprise
University of Glasgow, Scotland, UK.

SOCA Office Bearers



Dr. M. Sivakumar
President, SOCA



Dr. N. Muthukumaravel
General Secretary, SOCA



Dr. M. Kavimani
Treasurer, SOCA



Dr. Kumar Satish Ravi
Editor-in-Chief, NJCA

 Wolters Kluwer

For more information write to -
njca.soca@gmail.com

World Anatomy Day was celebrated on 15th October 2023 for the 4th consecutive time by the National Journal of Clinical Anatomy (NJCA) under the aegis of Society of Clinical Anatomists (SOCA). A Webinar was organized with the theme, Biomedical Visualisation attended by around 700 delegates.

Prof. M. Srinivas, Director & CEO, AIIMS, New Delhi and Prof. Minu Bajpai, Hon. Executive Director & Vice President, National Board of Examination in Medical Sciences were Guests of Honour for the program. Dr. Kumar Satish Ravi, Editor-in-Chief of NJCA welcomed the guests and delegates. Dr. Muthukumaravel, General Secretary of SOCA outlined the activities of SOCA and NJCA. He praised the efforts of the Editor in Chief and editorial board members for achieving significant milestones in indexation of the Journal. Dr. Sivakumar M, President, SOCA shared his thoughts on World Anatomy Day and lauded the achievements of SOCA and NJCA. He congratulated the Editor-in-Chief for successfully organizing four webinars and organizing an essay writing competition. This was followed by the Presidential address of Prof Minu Bajpai who gave an overview of various congenital anomalies and their embryological basis.

The guest lecture delivered by Prof. Paul M Rea, University of Glasgow, Scotland, UK focused on the scope of visualization in Anatomy.

An Essay competition among undergraduate students as well as Residents and faculty focused on “The conundrum of National Exit Test (NExT) in India” and “Digital content on You tube channels boon or bane to Anatomy teaching and learning?” was organised. The winners of the competition were Mr. Vishnu B, 3rd year MBBS student, AIIMS Mangalagiri, Dr. Rahul Singh, Junior Resident, BRD, Gorakhpur and Dr. Alan Joseph Abraham Junior Resident, Department of Anatomy, AIIMS New Delhi in 1st, 2nd and 3rd places respectively under the student category. Dr. Shilpa Bathla, Associate Professor, Lady Hardinge Medical College, New Delhi, Dr. Supriya, Associate Professor, Department of Anatomy, Sri Chamundeshwari Medical College Hospital & Research Institute, Channa Patna, Karnataka and Pratibha Shakya, Assistant Professor, Department of Anatomy, KGMU, Lucknow secured 1st, 2nd and 3rd places respectively under faculty category.

Queen Mary University, London

The Queen Mary University of London Anatomy team organised a celebration for World Anatomy Day (WAD) at the Barts Pathology Museum on the 21st of October, 2023 to honour those who have paved the way of contemporary medicine. Furthermore, a WAD celebration took place for the first time in London!

As a university we understand the crucial role of showcasing anatomy to the public. Our team of creative and enthusiastic anatomists conducted a number of fun, engaging, and educational activities for a wide audience to enable them to explore the intricacies of the human body. By doing this we aimed to be a part of an international community of anatomists and increase awareness of its importance in medicine, education, and research.

We had an excellent turnout, and the day was a great success with enthusiastic feedback from the attendees who enjoyed a wide range of activities and interactive stations suitable for all ages, including painting, sculpting with plasticine and demonstration of ultrasound and VR units.

The event allowed people of all ages to dive in into the world of anatomy and gain more in-depth knowledge of the human body structure.

Olga Avilova, MD, PhD, Former Director of Anatomy, QMUL, London, UK



From left to right Anthiyaa Nathaniel, Rachel Fox, Sadia Zaman, Olga Avilova, Geetika Ail, Rejwan Ahmed, Kai Ang and medical students in blue.



“Sculpture anatomy station”, World Anatomy Day celebration, Barts Pathology Museum, London



"Inside your brain station", World Anatomy Day celebration, Barts Pathology Museum, London



"Inside your brain station", World Anatomy Day celebration, Barts Pathology Museum, London

World Anatomy Day: Teaching diversity in the Dissection Laboratory in CHINA Chinese Society of Anatomical Sciences (CSAS)

On October 15th, the Chinese Society of Anatomical Sciences (CSAS) celebrated the IFAA's World Anatomy Day (WAD) around the topic of "Dissection Laboratories in Different Universities" (Fig.1).

The discipline of anatomy has remained strong over thousands of years, and yet it has never been more relevant than it is today. The traditional training methods mainly focused on knowledge development, attach importance to the cultivation of theoretical knowledge of talents, and neglect the cultivation of practical skills. Faced with the rapid development of modern medicine and the continuous updating of equipment, facilities, and technological processes, traditional anatomy teaching methods can struggle to meet the requirements of cultivating new talents. The quality and effectiveness of experiments are directly reflected in the combination of students' knowledge theory and practice, their practical hands-on ability, and their ability to handle faults (Fig. 1).



Fig.1: Teaching anatomy with a Digital Human System to students of 2022 in Qilu Medical School Shandong University

In addition to traditional anatomy teaching and student laboratory internships, some medical schools have added activities to enhance students' hands-on abilities, including simulated surgical anatomy (Fig. 2), microsurgical operation on experimental animals (Fig.3), VR anatomy (Fig. 4, 5), and artificial intelligence metaverse anatomy. For example, in the dissection laboratory at the Air Force Medical University, in the context of the "Peritoneum and Abdominal Organs", with the theme of "Gastric Cancer Radical Surgery", the surgical operation on the unpaired visceral branches and organs of the abdominal aorta is explained step by step. During the teaching process, Professor Li Xiaojun from the General Surgery Department of Shaanxi Provincial People's Hospital emphasized that "every operation of a surgeon is closely related to anatomy". He fully utilized the high-definition digital human anatomy interactive system and balanced arm shadowless lamp equipped in the anatomy laboratory to demonstrate simulated surgery (dissection operation), allowing students to experience immersive anatomy learning and deepen their understanding of what they have learned.

Department of Shaanxi Provincial People's Hospital emphasized that "every operation of a surgeon is closely related to anatomy". He fully utilized the high-definition digital human anatomy interactive system and balanced arm shadowless lamp equipped in the anatomy laboratory to demonstrate simulated surgery (dissection operation), allowing students to experience immersive anatomy learning and deepen their understanding of what they have learned.

A HD Digihuman Virtual Anatomy Table System (Fig. 6, 7) by Shandong Digihuman Technology Co. Inc. was used in many medical schools in Asia such as Macau Polytechnic University, University of Hong Kong, Chulalongkorn University in Thailand, Mahidol University in Thailand, Surabaya Polytechnic University in Indonesia, and Naval Medical University in Indonesia.

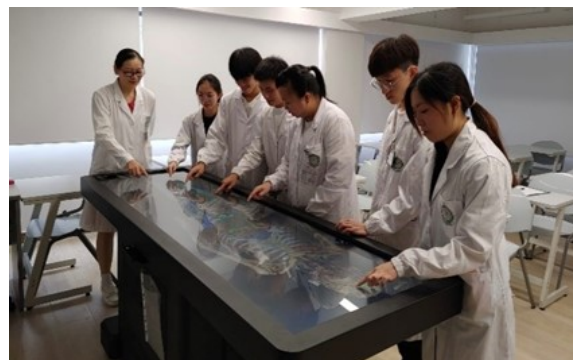


Fig.2 A: simulated surgical anatomy in dissection laboratory in Air Force Medical University.

Fig.3 A: microsurgical operation with experimental animals in Qilu Medical School Shandong University.

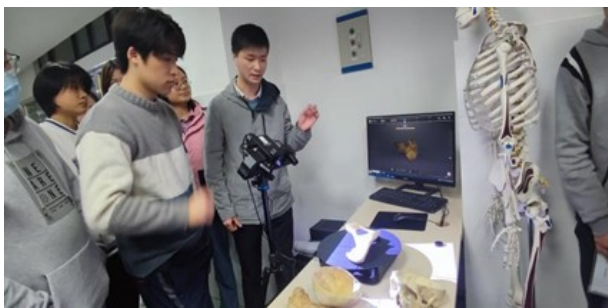
Figs.4, 5: VR anatomy classroom with Digital Human VR Anatomy Teaching System with stereoscopic glasses (Shandong Digihuman Technology Co. Inc.) in Hong Kong University.

Figs. 6, 7 A: HD Digihuman Virtual Anatomy Table System (Shandong Digihuman Technology Co. Inc.) using in Macau Polytechnic University in Macau China, and in Chulalongkorn University in Thailand.

The Metaverse is a virtual world constructed by humans using digital technologies such as virtual reality (VR), augmented reality (AR), augmented reality (XR), the internet (blockchain), cloud computing, digital twins, etc. It is mapped on and can interact with the real world. Southwest Medical University in Luzhou, China, has applied metaverse-related technologies to the integration and practical teaching of anatomy in knee joints, eyes, and other areas. It has conducted beneficial explorations and reflections, and also summarized experiences to exchange with fellow anatomy colleagues.

The Metaverse Online Virtual Live artificial intelligence classroom [Quadro (Beijing) Technology Inc] (Fig.8, 9) was used in Hebei North University, Shenzhen Vocational and Technical College, Northeast Special Education School, Tianjin University of Traditional Chinese Medicine, Ocean University of China, Guilin University of Electronic Science and Technology, Hangzhou First Technical College, School of Journalism and Communication of Ningxia University, Jiangxi Vocational College of Applied Technology, Beijing University of Traditional Chinese Medicine (recorded by teachers), Beijing Union Medical College (recorded by teachers), Shandong College of Nursing (recorded by teachers).

Moreover, 3D technology was used to create a model of the human body structure, achieving a transformation in the teaching mode at the School of Medicine of Shanghai Jiao Tong University (Fig.10). The combination of digital virtual anatomy platform, VR, digital information technology, and human physical specimens was utilized to guide students in innovative training such as anatomical specimen production and 3D printing in Xiangya Medical College of Central South University (Fig.11).



Figs. 8, 9: The Metaverse Online Virtual Live artificial intelligence classroom AR Virtual Digital Human Implantation (QVS400+Nuo Yiteng).

Fig. 10: Student uses 3D technology to create a model of human body structure in School of Medicine of Shanghai Jiao Tong University.

Fig. 11: Students in training such as anatomical specimen production and 3D printing in Xiangya Medical College of Central South University.

Through the comprehensive application of virtual reality, multimedia, network and other technologies, teaching processes that cannot be achieved by traditional teaching modes can be demonstrated in classrooms and laboratories. In the virtual classroom atmosphere, students can communicate and discuss with teachers and students, and carry out heuristic teaching. Students can also obtain external reactions through immersive and autonomous human-computer interaction in virtual scenes, through visual, auditory, tactile, and sensory experiences. It is also possible for students to learn and share results among groups or teams, and carry out collaborative teaching and learning, which is conducive to students' correct understanding and mastery of anatomy.

The World Anatomy Day 2023 in the Belarusian State Medical University

Members of the Belarusian Scientific Society of Morphologists took an active part in several significant events dedicated to the International Anatomy Day, which is traditionally celebrated on October 15 every year all over the world.

Under the leadership of the Chairman of the Board of the Belarusian Scientific Society of Morphologists, Professor N.A. Trushel, an international scientific and practical conference: 'Current problems of morphology at the present stage', dedicated to the 85th anniversary of Associate Professor Stanislav Petrovich Yaroshevich, was organized and took place on October 13, 2023 at the Belarusian State Medical University (BSMU), Minsk, Belarus.



Natalia Alekseevna Trushel, Professor, Doctor of Medicine

The conference was held in a hybrid format and was attended by more than 550 people. Professor N.A. Trushel and Vice-Rector for International Relations of BSMU Professor V.V. Rudenok made the welcoming and opening speeches. Kind words about Associate Professor S.P. Yaroshevich and the wishes of successful work to all conference participants were expressed by the Vice-Rector for Scientific Work of the BSMU, Professor V.A. Filonyuk.

The activities of Associate Professor S.P. Yaroshevich left a noticeable mark in the history of anatomy in Belarus, the Department of Normal Anatomy, and the university. His significant legacy continues to live on in his graduates and his teaching. Therefore, morphologists from different parts of Belarus, Russia and Moldova came to the commemorative event associated with it.



Международная научно-практическая конференция, посвященная 85-летию доктора С.П. Яросевича
«Актуальные проблемы морфологии на современном этапе»
Минск, 13 октября 2023г

Conference participants

In the plenary session, reports were made on the life, educational and scientific activities of Associate Professor S.P. Yaroshevich. At the beginning of the meeting, Y.A. Huseva, Associate Professor of the Department of Normal Anatomy of BSMU, spoke on behalf of the group of authors with a report on the role of the personality of S.P. Yaroshevich in the development of the Department of Normal Anatomy of the BSMU, his contribution to the organization of scientific, pedagogical, and social activities of the university and his merits in the recruitment of medical personnel in the Republic of Belarus.



Conference Presidium. Associate Professor Y.A. Huseva delivers her report.

Outstanding anatomist S.P. Yaroshevich was born on the eve of Anatomist Day on October 13, 1938 and selflessly served medicine and the benefit of the medical university for more than 60 years of his life. In her report, Associate Professor Huseva emphasised the main areas of scientific activity of S.P. Yaroshevich, including histochemistry and anatomy of the nervous system.

Particular attention was paid to the activities of S.P. Yaroshevich during the years of his leadership of the Department of Normal Anatomy of BSMU. Scientific research at that time was devoted to the applied aspects of teaching anatomy and the role of anatomy in the system of specialised subject education at a medical university.

It was emphasized that S.P. Yaroshevich was the first anatomist in the Republic of Belarus who began to study the legal, ethical and religious aspects of the use of dead bodies in the educational process. He participated in the implementation of a program for bioethical training of specialists.

S.P. Yaroshevich was the first person to begin teaching anatomy in the Belarusian language. He published the work 'Anatomical Dictionary', which contains a list of anatomical terms in Latin, Russian and Belarusian. He was also a recognized authority on the history of anatomy.

He attached great importance to the principle of visualisation in teaching anatomy and developed a unique method of fixing specimens to ensure visualisation of the specimen from four sides, with the help of which more than 70 specimens were made from the fund of the anatomical museum of the Department of Normal Anatomy.

For almost 20 years (from 1985 to 1996 and from 2006 to 2014) he led the student scientific society of the Department of Normal Anatomy. Together with students he developed new interesting directions in the study of human anatomy. He made a significant contribution to the training of medical personnel. Many of his students became highly qualified specialists. From the report of A.A. Artishevsky, Professor of the Department of Histology, Cytology and Embryology of BSMU, conference participants learned the history of the creation of Belarusian-language dictionaries and textbooks.



Presidium. The report of Professor A.A. Artishevsky

The forum featured about 50 oral presentations and 118 poster presentations from more than 500 participants. These were morphologists (teachers, doctors), graduate students and students from different parts of Belarus, Russia and Moldova.

Among the leading scientists who took part in the conference were: I.P. Stepanova (Smolensk State Medical University), N.T. Alekseeva (Voronezh State Medical University named after N. N. Burdenko) and F.G. Gadzhieva (Grodno State Medical University) and many others.

At the sectional sessions of the conference, reports were heard on the development and structure of organs, organ systems in normal conditions, pathology and experiment, clinical anatomy of organs and systems, as well as issues of increasing the efficiency of teaching morphological disciplines. Many reports were made in online format.

For active participation in the international conference dedicated to the memory of Associate Professor S.P. Yaroshevich, Chairman of the Belarusian Scientific Society of Morphologists, Professor N.A. Trushel expressed thanks to all the foreign and Belarusian colleagues on behalf of the Rector of BSMU, Professor S.P. Rubnikovich.

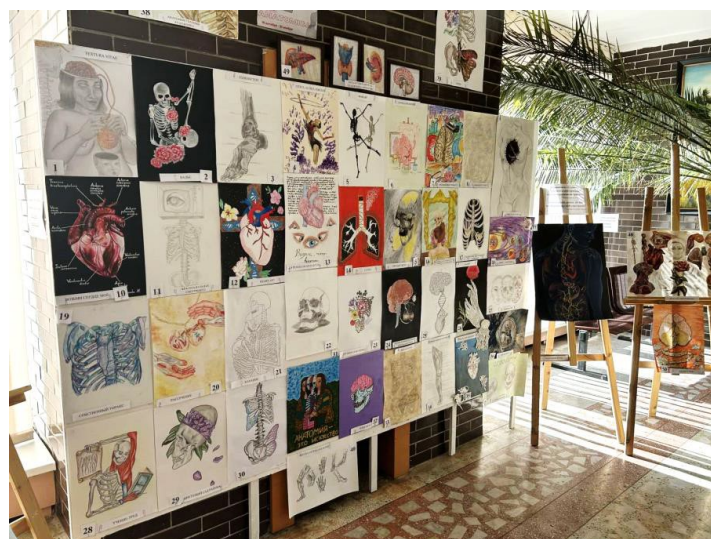
S.P. Yaroshevich relatives were also present at the conference - daughter N. S. Shchirskaya and granddaughter I.O. Labkovich.

An exhibition of the printed works of Associate Professor S.P. Yaroshevich, the number of which totals more than 150, was timed to coincide with the event.



Exhibition of scientific works of S.P. Yaroshevich, Associate Professor, PhD

The second significant event dedicated to World Anatomy Day was the Exhibition-Competition of Anatomical Drawing, dedicated to the 100th anniversary of the student scientific club 'Normal Anatomy', ARS ANATOMICA.





Exhibition-competition of anatomical drawing, dedicated to the 100th anniversary of the student scientific club 'Normal Anatomy', ARS ANATOMICA.

Thus, on this day, like no other, the Belarusian Scientific Society of Morphologists had the opportunity to note the importance of anatomy as an academic discipline and show its important role in the training of healthcare specialists. The organisation of such events dedicated to outstanding scientists and teachers has become a tradition for the staff of the Department of Normal Anatomy of BSMU.

World Anatomy Day: Anatomy Society of Pakistan



World Anatomy Day: University of Palermo, Italy

For five years, World Anatomy Day has been celebrated all around the world on October 15th. In Italy, the University of Palermo was a pioneer in the organization of cultural events that focused on the human being starting from its anatomical structure. The Palermo Anatomical Institute boasts five centuries of history illustrated by an itinerary for visitors, during which educational and scientific tools from the past were shown to the public.

For three years, this event was organized together with the "Le Vie dei Tesori" Foundation, the largest circuit for the promotion of Sicily's cultural and landscape heritage. From this year, the event also includes the dissemination of the objectives and activities of the National Center for Biodiversity (NBFC, <https://www.nbfc.it/>). The final objective was to raise awareness among the population of the concept of "One Health", i.e., the recognition that human health, animal health and ecosystem health are inextricably linked.

The presentation ceremony of the event was held online by Prof. Lucio Cocco, President of the Italian Society of Anatomy and Histology, with the presence of the Magnificent Rector of the University of Palermo and of Anatomists connected from all over Italy. For further information, consult the official page of the University of Palermo: <https://www.unipa.it/World-Anatomy-Day-2023/>

Legend of the pictures

Figure 1: Photos from the Ceremony of presentation of the WAD in Palermo. Prof. Lucio Cocco (upper right) presented a lecture on "Anna Morandi Manzolini", the first woman to become Professor of Anatomy in Italy. Prof. Francesco Cappello (lower left), from University of Palermo, and Prof. Carla Palumbo (lower right), from University of Modena and Reggio Emilia, introduced the Lecture.

Figure 2: Upper left: The marble plaque placed in the Church of San Domenico, the Pantheon of Palermo, which commemorates Giovanni Filippo Ingrassia (1510-1580) who created the first "Anatomical Cabinet" in that cloister, starting the tradition of medical studies in the Sicilian capital. Upper right: photos of two famous Directors of the Anatomical Institute of Palermo in the past century. Emerico Luna was one of the two founders of the Italian Society of Anatomy, while Giuseppe Levi, his mentor, directed for a long time the Anatomical Institute of Turin and was the mentor of Italian Nobel Prizes of Medicine winners. At lower, the "Aula Magna" of the Anatomical Institute of Palermo, decorated with modern "Graffiti" from Sicilian street artists.

Figures 3-5: Some of the anatomical waxes exhibited at the Anatomical Collection of the University of Palermo. They reproduce specimens of head & neck and of embryonic development. The former are attributed to the Sicilian wax modeling school of Gaetano Zumbo, the latter were produced in Freiburg by Adolf and Friedrich Ziegler under the direction of Wilhelm His.

Visualizzazione contenuto condiviso di Lucio Iridebrando Maria Cocco

15 ottobre 2021: 15th World Anatomy Day - 1st Edition
 Istituto di Anatomia Umana e Istologia dell'Università di Palermo
 Lucio Iridebrando Maria Cocco

**-Anna Morandi Manzolini:
 l'Anatomia e la Ceroplastica coniugate al femminile-**

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Lucio Iridebrando Maria Cocco

massimo midini Giuseppe Ferraro Antonella Marino Ga... Radha Santonocito

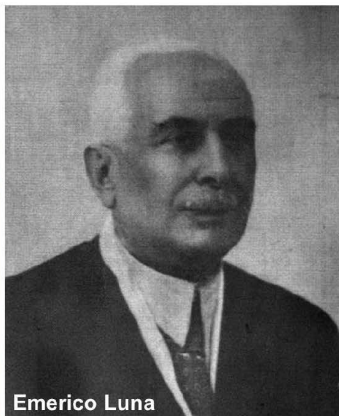
Francesco Cappello

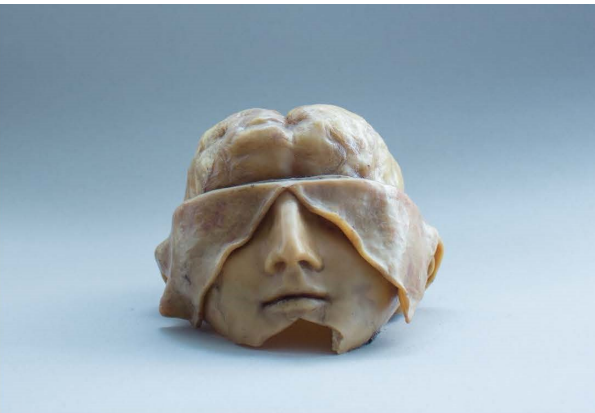
marcello.ciacchio@uni... Giuseppe Ferraro Carlo Palumbo Radha Santonocito

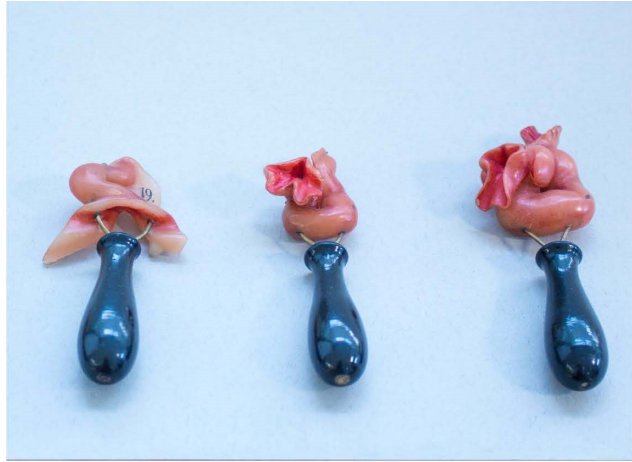
Carla Palumbo

QUI DOVE L'ACCADEMIA DEGLI ACCESI TENNE ALTO L'ONORE DEGLI STUDI LETTERARI DELLA SICILIA AD INVITO DEL SENATO DI PALERMO LESSE MEDICINA E QUI VOLLE SEPOLTURA G. F. INGRASSIA DA REGALBUTO GLORIA DELLE SCIENZE MEDICHE NEL SECOLO XVI

NEL IV CENTENARIO DELLA SUA NASCITA IL MUNICIPIO DI PALERMO POSE







Upcoming Events

IFAA 2024

The 21st Congress of the International Federation of Associations of Anatomists
in conjunction with the 74th Annual Meeting of the Korean Association of Anatomists

INNO-ANAT (Innovative Anatomy)

September 5 (Thu) - 8 (Sun), 2024
Kimdaejung Convention Center • Gwangju, Korea



IFAA 2024
The Congress of the International Federation of
Associations of Anatomists in 2024

One-Stop Guide to Joining the IFAA 2024

Late Breaking Abstract Submission

IFAA 2024 is accepting late-breaking submissions for abstracts detailing highly significant and timely findings in any area of anatomy.

Submission Available: April 15 ~ 30, 2024

Submit Your Abstract via www.ifaa2024.org



Important Dates

- Early Registration Deadline March 31, 2024
- Late Breaking Abstract Submission Open April 15, 2024
- Late Breaking Abstract Submission Closed April 30, 2024
- Review Results Notification* May 14, 2024
- Standard Registration Deadline August 16, 2024

*Accepted abstracts will be published in a special issue of ACB (Anatomy & Cell Biology).



Expected Numbers

- Attendee Min. 1,000 attendees from 60 countries
- Keynote & Plenary 6 speakers
- Symposium 200 papers in 47 sessions
- Free Paper - Oral 200 papers in 28 sessions
- Free Paper - E-Poster 500 posters
- Sponsors 40 companies & 35 booths



Registration Fee

		Early-Bird (~March 31)	Standard (Apr. 1~Aug. 16)
• Tier 1*	General Attendee	US\$500	US\$600
	Post-doc	US\$350	US\$450
	Student	US\$250	US\$300
• Tier 2*	General Attendee	US\$300	US\$350
	Post-doc	US\$250	US\$300
	Student	US\$200	US\$250

*Tier 1: High & Upper Middle Income, Tier 2: Lower Middle & Low Income
(Based on the World Bank country classifications by income level)



Sponsorship

	Main Sponsorship Package*	Other Sponsorship Items
Platinum	US\$100,000	Exhibition Booth
Gold	US\$70,000	Social Program
Silver	US\$50,000	Satellite Symposium
Bronze	US\$30,000	Hospitality Lounge etc.

*Lots of benefits such as free booths and symposium opportunities, etc are waiting for you.
Your proposals are always welcome, if there are any other sponsorship items you want.



Keynote & Plenary Speakers



Imagining the Future of
Anatomy Education:
Innovation through
Collaboration

Claudia Krebs
Canada



Comprehensive Anatomical
Research of the Face and
Neck: Clinical Implications
and Insights

Hee-Jin Kim
Korea, Republic of



Exploring Cellular
Heterogeneity in Adult
Human Skin

Fiona M. Watt
Germany



Teaching Anatomical
Sciences through the Digital
Platform: Changing
Perspectives on Instructions

Wojciech Pawlina
United States



Evolution of
Vertebrates from
Developmental and
Anatomical
Perspectives

Shigeru Kuratani
Japan



Efferent Projections from
Paraventricular Thalamic
Nucleus related to Chronic
Pain Comorbid with
Anxiety and Depression

Yun-Qing Li
China



Social Events

- Sept. 5 Welcome Reception
- Sept. 7 Networking Dinner (ticketed)
- Sept. 6 ~ 8 Lunch & Coffee Breaks



Tour Programs

- Sept. 4 Optional tours in Gwangju
- Sept. 6 Night tours in Gwangju
- Sept. 9 Post tours out of Gwangju
such as DMZ, Yeosu and Jeonju



How to Get to Venue

IFAA 2024 LOC will provide Concierge service &
Free Shuttle buses (4 times a day, Sep. 4 ~ 5)
from Incheon International Airport
to the congress venue & hotel area.

You can find all details on the IFAA 2024 official website; www.ifaa2024.org.

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Organized by  INTERNATIONAL FEDERATION OF
ASSOCIATIONS OF ANATOMISTS

Hosted by  KOREAN ASSOCIATION OF
ANATOMISTS

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SAVE THE DATE!

SciComm Bootcamp



June 20-21, 2024



Rockville, Maryland



The SCBC is a 2-day professional development workshop founded in 2019 and designed to bridge the communication gap between scientists and the public, policymakers, students, and professionals from other disciplines. Registration is now open!