

# 22nd National Anatomy Congress

## 13–17 October 2021, Online, Turkey

### Program Schedule

#### 13 October 2021, Wednesday

##### Precongress Courses

10.00–12.00	Stereological measurements Ali Celalettin Sinan Yürüker <i>Uşak University</i>
09.00–12.00	Digital photography in anatomy education and research Çağatay Barut / <i>Bahçeşehir University</i>
13.00–16.00	Measurement errors: how reliable do we measure? Çağatay Barut / <i>Bahçeşehir University</i>
09.00–16.00	Tissue: organ polymerization and transparency Esat Adıgüzel / <i>Pamukkale University</i>
09.00–16.00	In ovo/ex ovo chicken embryo culture and experimental uses Ahmet Çevik Tufan / <i>Ankara Yıldırım Beyazıt University</i>
13.00–16.00	Literature search and academic reference editing programs İlhan Bahşi / <i>Gaziantep University</i>
09.00–12.00	Rapid vessel filling and facial dissection Selçuk Tunalı / <i>TOBB University of Economics and Technology</i>
16.30–16.35	<b>Anıtkabir Visit, Moment of Silence and Flag Ceremony</b>
16.35–16.45	<b>Opening speeches</b> Meltem Bahçelioğlu / <i>Co-Chair of the Congress, Gazi University</i> Rabet Gözül / <i>Co-Chair of the Congress, Yüksek İhtisas University</i>
16.45–16.50	<b>Opening speech</b> Piraye Kervancıoğlu / <i>Turkish Society of Anatomy and Clinical Anatomy, President, Gaziantep University</i>
16.50–17.10	<b>Opening speeches</b> Musa Yıldız / <i>Rector of Gazi University</i> Mustafa Paç / <i>Rector of Yüksek İhtisas University</i>
17.10–18.00	<b>Invited Lecture</b> <b>Moderator:</b> Erdoğan Şendemir / <i>Bursa Uludağ University</i> Advances in technology: anatomists as agents of good practice and ethical awareness Beverley Kramer / <i>President of International Federation of Associations of Anatomists, Johannesburg</i>
18.00–19.00	<b>Invited Lecture</b> <b>Moderator:</b> Zühre Aslı İkiz / <i>Ege University</i> AQUAgraphs. Written with light on water: underwater photographs multivision show Alp Can / <i>Ankara University</i>

**14 October 2021, Thursday**

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| 09.30–10.30 | <b>Invited Lecture</b><br><b>Moderator:</b> Rabet Gözül / <i>Co-chair of the Congress, Yüksek İhtisas University</i><br>Creating personalized treatment algorithms with three-dimensional software technology<br>Figen Gökmen / <i>Ege University</i>  |
| 10.30–11.00 | <b>Coffee Break</b>  |
| 11.00–12.00 | <b>Invited Lecture</b><br><b>Moderator:</b> Emel Ulupınar / <i>Eskişehir Osmangazi University</i><br>Unbiased and scalable technologies for the next-generation biomedical solutions<br>Ali Ertürk / <i>Director, Institute of Tissue Engineering and Regenerative Medicine, Munich</i>  |
| 12.00–12.30 | UltraMicroscope Blaze™ – Automated light sheet imaging of large, cleared samples<br>Bernd Müller-Zülow / <i>Sales Manager Miltenyi Biotec</i>  |
| 12.30–13.00 | Guided tour of the Museum of Anatolian Civilizations – Part 1<br>Murat Yıldırım / <i>Anatolian Civilizations Museum Assistant Director</i>   |
| 13.00–14.00 | <b>Invited Lecture</b><br><b>Moderator:</b> Çağatay Barut / <i>Bahçeşehir University</i><br>How our tears drain – functional and clinical anatomy of the lacrimal drainage system – a forgotten topic – presented with state of the art anatomical methods<br>Friedrich Paulsen / <i>Friedrich Alexander University, Erlangen-Nürnberg</i> |

**Session 1 Hall A**

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| 14.00–15.00 | <b>Oral Presentations (O-01–O-05)</b><br><b>Moderator:</b> İ. Nadir Gülekon / <i>Gazi University</i><br><b>O-01:</b> Investigation of the relationship between the posterior horn of the medial meniscus and lateral meniscus and the posterior tibial slope: a direct X-ray and MRI study<br>İskender Yılmaz, Sevda Lafcı Fahrioğlu, Özüm Tunçyürek, Sezgin İlgi<br><b>O-02:</b> Gaziantep University Faculty of Medicine Department of Anatomy publication rates of graduate theses: 14 years of experience<br>İlhan Bahşi, Piraye Kervancıoğlu, Mustafa Orhan, Ömer Faruk Cihan<br><b>O-03:</b> Evaluation of epiglottic cartilage morphometry with magnetic resonance imaging<br>Esmâ Derinöz, Alper Vatanserver, Bahar Yanık Keyik, Emrah Özcan, İlder Kuş<br><b>O-04:</b> Anatomical features of the anterior clinoid process on cone-beam computed tomography images<br>Saliha Seda Adanır, Esmâ Sude Ceylan, Orhan Beger, İlhan Bahşi, Mustafa Orhan, Eda Didem Yalçın, Piraye Kervancıoğlu<br><b>O-05:</b> A survey study to establish the ideal anatomy education model: EOGU Faculty of Medicine example<br>Abdullah Ortadeveci, Merve Nur Ermez, Öz Semih, Hilmi Özden |
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**Session 1 Hall B**

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| 14.00–15.00 | <b>Oral Presentations (O-06–O-10)</b><br><b>Moderators:</b> Halil İbrahim AÇAR / <i>Ankara University</i> & Barış Özgür Dönmez / <i>Pamukkale University</i><br><b>O-06:</b> Pulmonary veins and left atrium morphology: multislice computed tomography study<br>Beyza Karaarslan, Duygu Akın Saygın, İsmihan İlknur Uysal, Necdet Poyraz<br><b>O-07:</b> Geometric morphometric analysis of anterior branches of external carotid artery and bifurcatio carotidis by three-dimensional CT angiography<br>İsmet Demirtaş, Behçet Ayyıldız, Ahmet Taha Demirbaş, Sevilay Ayyıldız, Feyza Sönmez Topçu, Koral Çağlar Kuş, Mustafa Ayberk Kurt<br><b>O-08:</b> Evaluation of the volume of amygdaloid body, hippocampus, insula and temporal lobe in Alzheimer's disease and other types of dementias<br>Gamze Ansen, B. Ufuk Şakul, Ayşenur Cila<br><b>O-09:</b> Association of cervical segment types of internal carotid artery with gender, age and aneurysm<br>Yiğit Çevik<br><b>O-10:</b> Dorsal branch of anterior interosseous artery: a preliminary study<br>Buse Naz Çandır, Latif Sağlam, Gkionoul Nteli Chatzioglou, Özcan Gayretli, Adnan Öztürk |
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15.00–15.30	<b>Coffee Break in the Main Hall</b>
<b>Hall D</b>	
15.00–15.30	<b>Poster Presentation Discussions</b>
<b>Session 2 Hall A</b>	
15.30–16.30	<p><b>Oral Presentations (O-11–O-15)</b>  <b>Moderators:</b> İbrahim Tekdemir / <i>Ankara University</i> &amp; Erdiñ Tunç / <i>Maltepe University</i></p> <p><b>O-11:</b> Investigation into the extraorbital branches of the ophthalmic artery by superselective angiography method  Hilal Akdemir Aktaş, Kadriye Mine Ergun, İlkan Tatar, Anıl Arat, Kadir Mutlu Hayran</p> <p><b>O-12:</b> Age-related evaluation of anatomical reference values and lung volumes of bifurcatio tracheae  İlknur Sarı, Doğan Zümrüt1, Baykan Ali Haydar</p> <p><b>O-13:</b> Investigation of anogenital distance and anal position index in fetuses  Hakan Taşkınlar, Özlem Elvan, Caner İsbir, İsa Kılı, Ali Naycı</p> <p><b>O-14:</b> Identification of variations in the distribution of nerves at the site of surgical intervention for hallux valgus  Fatih Çiçek, Turan Koç, Zeliha Kurtođlu Olgunus</p> <p><b>O-15:</b> Morphometric evaluation of the photoluminescent region of the ilium  Helin Yücedađ, Bahattin Paşlı, Burcu Erçakmak Güneş</p>
<b>Session 2 Hall B</b>	
15.30–16.30	<p><b>Oral Presentations (O-16–O-21)</b>  <b>Moderators:</b> Muzaffer Sindel / <i>Akdeniz University</i> &amp; İlhan Otađ / <i>Maltepe University</i></p> <p><b>O-16:</b> Evaluation of morphometric differences between different gray matter structures according to subtypes of the disease on brain magnetic resonance images of patients with obsessive compulsive disorder  Dilek Derin, Tuncay Varol</p> <p><b>O-17:</b> Neuroanatomical correlation of speech and voice disorders in Parkinson's disease: analysis of MRI findings  Kadriye Betül Pençe, Lütfü Hanođlu, Alper Atasever</p> <p><b>O-18:</b> Evaluation of cerebrum asymmetry in Parkinson's disease  Nuriye Öz, S. Sibel Özkaynak, Kamil Karaali, Nigar Keleş-Çelik</p> <p><b>O-19:</b> Morphometric classification of ventriculus tertius anatomy in pediatric age group  Sefa Işıklar, Senem Özdemir</p> <p><b>O-20:</b> Anatomy of proximal ulnar angulations and its clinical significance  Latif Sağlam, Gkionoul Nteli Chatzioglou, Buse Naz Çandır, Osman Coşkun, Özcan Gayretli</p> <p><b>O-21:</b> 3D virtual anatomy atlas application  İsmail Kapurtu, Nadire Ünver Dođan</p>
16.30–17.00	<b>Coffee Break</b>
17.00–18.00	<p><b>Invited Lecture</b>  <b>Moderator:</b> Engin Çalgüner / <i>Girne University</i>  Use of technology in anatomy  Behice Durgun / <i>Çukurova University</i></p>
<b>15 October 2021, Friday</b>	
09.00–10.30	<p><b>World Anatomy Day and body donation panel</b>  <b>Moderator:</b> Esat Adıgüzel / <i>Pamukkale University</i>  Muzaffer Şeker, Salih Murat Akkın, Erdođan Şendemir</p>
10.30–11.00	<p>Guided Ankara Rahmi M. Koç museum tour  Özgür Ceren Can / <i>Ankara M. Rahmi Koç Museum, Museum Manager</i></p>
11.00–12.00	<p><b>Invited Lecture</b>  <b>Moderator:</b> İ. Can Pelin / <i>Başkent University</i>  Surgical anatomy and visual fiction  Levent EFE / <i>Medical Illustration Studios, Melbourne, Australia</i></p>

12.00–12.15	The role of complete anatomy in anatomy teaching during the pandemic Olivia Murray / <i>Edinburgh University, Edinburgh</i>
12.15–12.45	Guided tour of the museum of anatolian civilizations – Part 2 Murat Yıldırım / <i>Anatolian Civilizations Museum Assistant Director</i>
12.45–13.00	<b>Coffee Break</b>
13.00–13.45	<b>Invited Lecture</b> <b>Moderator:</b> Pınar Göker / <i>Çukurova University</i> A magnificent genius: LEONARDO Erdoğan Tunç / <i>Maltepe University</i>

### Session 3 Hall A

13.45–14.45	<b>Oral Presentations (O-22–O-26)</b> <b>Moderators:</b> Ufuk Şakul / <i>İstanbul Medipol University</i> & Ahmet Kalaycıoğlu / <i>Biruni University</i> <b>O-22:</b> Determination of relationship of scapula morphometry and gender by computed tomography Mehmet Ülkir, Mine Farırmaz, Gökçe Kağan Ataç, Yalçın Kırıcı, Ergun Karağaoğlu, Mustafa Aldur
	<b>O-23:</b> Flipped classroom model in anatomy education during Covid-19 pandemic Nurullah Yücel, Papatya Keleş, Pınar Baştürk, Emir Muvaffak, M. Edib Mokresh
	<b>O-24:</b> A new model in medical education: smart model training set Güneş Bolatlı, Fatih Taş, Zafer Bolatlı
	<b>O-25:</b> The importance of supports during the production of 3-D anatomical printings and models Ayşe Erkaya, Eda Sağıroğlu, Mustafa Fevzi Sargon, Hasan Ozan
	<b>O-26:</b> The importance of using three dimensional tangible materials in anatomy education Esmâ Derinöz, Emrah Özcan

### Session 3 Hall B

13.45–14.45	<b>Oral Presentations (O-27–O-31)</b> <b>Moderators:</b> Selçuk Tunalı / <i>TOBB University of Economics and Technology</i> & Seher Yılmaz / <i>Biruni University</i> <b>O-27:</b> Creating 3D models and animations to make learning easier – more permanent In embryology lectures and supporting education with new 3D technologies – preparing 3D original embryological models Duygu Dayanır, Özen Akarca Dizakar, Tuncay V. Peker
	<b>O-28:</b> The effect of the flipped classroom on medical students' success and perception in anatomy course İbrahim Cüneyit, Esat Adıgüzel, Cüneyt Orhan Kara, Serhat Süral
	<b>O-29:</b> The effect of different education methods on the success of anatomy education in medical faculty students Mazhar Özkan, Ali Zeybek, Meltem Alpay
	<b>O-30:</b> Three-dimensional (3D) modeling in anatomy: past, present and future Mine Farırmaz, M. Mustafa Aldur, Yalçın Kırıcı
	<b>O-31:</b> Anatomic brush strikes in painting: during the Renaissance and Baroque period Ayşe İmge Uslu

14.45–15.15 **Coffee Break in the Main Hall**

### Hall D

14.45–15.15 **Poster Presentation Discussions**

### Session 4 Hall A

15.15–16.15	<b>Oral Presentations (O-32–O-36)</b> <b>Moderators:</b> İlkan Tatar / <i>Hacettepe University</i> & Neslihan Boyan / <i>Çukurova University</i> <b>O-32:</b> Extensor digitorum brevis muscle mimicking dorsal wrist mass: a case report Okan Aslantürk, Davut Özbağ
	<b>O-33:</b> Following the traces of anatomy in UCEP-2020 Zeliha Kurtoğlu Olgunus

- O-34:** A pair of lower extremities containing multivariation: a cadaver study  
Betül Diğilli, Ahmet Safa Gökşan, İsmihan İlknur Uysal
- O-35:** Anatomical posture analysis anywhere and anytime with the posture screen mobile application  
Arife Gizem Kılıç, Hale Öktem
- O-36:** 3D restoration and digital prototyping of 13th century late Byzantine era skulls  
Hüseyin Uzabacı, İlker Mustafa Kafa

**Coffee Break**

16.30–17.30

**Invited Lecture**

**Moderator:** Nihal Apaydın / *Ankara University*  
Anatomy from aesthetic perspective  
Deniz Demiryürek / *Hacettepe University*

**16 October 2021, Saturday**

09.30–10.30

**Invited Lecture**

**Moderator:** Nadire Ünver Doğan / *Selçuk University*  
Technological advances in neuroanatomy research  
Emel Ulupınar / *Eskişehir Osmangazi University*

10.30–11.00

**Coffee Break****Session 5 Hall A**

11.00–12.00

**Oral Presentations (O-37–O-41)**

**Moderators:** Özkan Oğuz / *Çukurova University* & Alper Vatansver / *Balıkesir University*

- O-37:** Evaluating the topographical relationship of anatomical structures in the regio frontalis, revealing the importance of these relationships  
Okan Derin, Yelda Pınar
- O-38:** Examining the anatomical relation between trachea and brachiocephalic trunk using 3D modeling and manufacturing  
Sinem Nur İplikci, Hale Öktem
- O-39:** Evaluation of neurocranium fractures in individuals applying to the hospital due to trauma on computed tomography images  
Hilal Irmak Sapmaz, Fatma Aktaş
- O-40:** Morphometric evaluation of the pedicles of cervical, thoracic and lumbar vertebrae in Turkish population and its importance in vertebroplasty and kyphoplasty  
Shanzeda Khan, Zehra Çelik, Ceren Güneç Beşer
- O-41:** Gender estimation using machine learning algorithms on computed tomography images of the 1st, 11th and 12th thoracic vertebrae  
Beyza Yılmaz, Serkan Öner, Zülal Öner, Muhammed Kamil Turan

**Session 5 Hall B**

11.00–12.00

**Oral Presentations (O-42–O-46)**

**Moderators:** Ahmet Kalaycıoğlu / *Biruni University* & Soner Albay / *Süleyman Demirel University*

- O-42:** Investigation of the teratogenic effects of letrozole on fetal bone development  
Abdülkadir Bilir, Emre Atay, Fatma Fırat, Ayşe Ertekin, Erhan Bozkurt
- O-43:** Articulation temporomandibularis and artificial intelligence  
Ebru Yolaçan, Nimet Ebrar Demircan, Nurcan Erçikti, Necdet Kocabyık, Bülent Yalçın
- O-44:** A study on gender determination with machine learning algorithms by making anthropometric measurements of the first cervical vertebra  
Menşure Şahin, Muhammed Kamil Turan, Zülal Öner, Serkan Öner
- O-45:** Therapeutic effects of transcranial direct current stimulation on neuroinflammation in an experimental model of acute epilepsy  
Güven Akçay, Betül Çiçek, Narin Derin, Serkan Yıldırım, İsmail Polat
- O-46:** Gender and age estimation with machine usage algorithms with parameters obtained from computed tomography images of maxillary first molar and canine teeth  
Deniz Şenol, Yusuf Seçgin, Şuayip Burak Duman, Şeyma Toy, Zülal Öner

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12.00–12.30	Guide erimtan archeology and art museum tour Selma Ünal / <i>Art Historian-Collection Manager</i>
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12.30–13.00 **Lunch Break**

### Session 6 Hall A

- 13.00–14.00 **Oral Presentations (O-47–O-51)**  
**Moderators:** Ayla Kürkçüoğlu / *Kırıkkale University* & Hale Öktem / *Atılım University*
- O-47:** Does transauricular vagal stimulation affect intestinal inflammation in an experimental colitis model?  
Ece Alim, Saadet Özen Akarca Dizakar, Kerem Atalar, Ayşe Soylu, Meltem Bahçelioğlu
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- O-48:** Comparative analysis of normalized volume data of primary sensory cortex on magnetic resonance images of Parkinson's patients with the control group  
Berna Doğan, Mert Nahir
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- O-49:** Investigation of structural variations of patella  
Ece Buru, Zehra Özbulut, Erkan Konyar, Rabet Gözil
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- O-50:** The effect of smartphone addiction on hand functions and grip strength  
Özgenur Koçak, Rabet Gözil, Hakkı Yeşilyurt, Merve Sevgi İnce, İlkem Güzel
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- O-51:** Effects of high-heeled shoes on myofascia  
Merve Sevgi İnce, Rabet Gözil, Hakkı Yeşilyurt, İlkem Güzel, Özgenur Koçak, Emel Sönmezer

### Hall D

14.00–14.30 **Poster Presentation Discussions**

14.00–14.30 **Coffee Break in the Main Hall**

14.30–15.30 **Invited Lecture**

**Moderator:** İlhan Bahşi / *Gaziantep University*  
Autonomous robotic inner ear access for cochlear implantation  
Vedat Topsakal / *Vrije Universiteit Brussels, Brussels, Belgium*

**Technological advances in anatomy education panel**

**Moderator:** Tuncay Veysel Peker / *Gazi University*  
Tuncay Veysel Peker, İlkan Tatar, Selçuk Tunalı

**Coffee Break**

17.00–18.00 **Invited Lecture**

**Moderator:** Meltem Bahçelioğlu / *Co-chair of the Congress, Gazi University*  
New anatomy at brain's borders  
Jonathan Kipnis / *Department of Neuroscience, Center for Brain Immunology and Glia, University of Virginia, Charlottesville, VA, USA*

## 17 October 2021, Sunday

9.30–10.30 **Invited Lecture**

**Moderator:** Ayhan Cömert / *Ankara University*  
Scientific research planning and project writing  
Ahmet Çevik Tufan / *Ankara Yıldırım Beyazıt University*

10.30–11.30 **Invited Lecture**

**Moderator:** Piraye Kervancıoğlu / *Turkish Society of Anatomy and Clinical Anatomy, President, Gaziantep University*  
In vitro models in nervous system research: new technologies  
Gülün Şengül / *Ege University*

**Presentation of Awards**

Organizing committee

**Closing Speeches**

Meltem Bahçelioğlu / *Co-chair of the Congress, Gazi University*  
Rabet Gözil / *Co-chair of the Congress, Yüksek İhtisas University*  
Piraye Kervancıoğlu / *Turkish Society of Anatomy and Clinical Anatomy, President, Gaziantep University*