



List of Oral Presentations

The 48th International Conference of the Anatomy Association of Thailand
 “Anatomy 360°: Resolving Perspectives for Advancing Anatomy”

13-15 May 2026

TSIX5 Phenomenal Hotel, Pattaya, Chonburi, Thailand

Neuroscience (O-01 – O-08)

Second room

Code	Title	Time
O-01	From Dental Waste to Neural Identity: Revealing the Intrinsic Transcriptomic Priming Underlying Neuronal Differentiation of Human Stem Cells from Apical Papilla <u>Anupong Thongklam Songsaad*</u> , Surachet Benjathummarak, Tarinee Chodchavanchai, Tatcha Balit, Amarin Thongsuk, Nisarath Ruangsawasdi, Charoensri Thonabulsombat	13.00-13.15
O-02	Sections of Brain Plastinated with P40: An Instructional Resource for Sectional Anatomy <u>Jessy JP*</u> , Jayashri Pandey, Renu Dhingra	13.15-13.30
O-03	Efficacy of <i>Sida cordifolia</i> Root Extract against Pentylentetrazole-Induced Kindling in Swiss Albino Mice: A Histomorphometric and Neurobehavioral Study <u>Naveen Kumar BD*</u> , Tejaswi HL, Ravi M	13.30-13.45
O-04	Investigating the Neuroprotective and Anxiolytic Effects of Cannabidiol (CBD) and Brahmi Combinations in a Chronic Unpredictable Mild Stress (CUMS) Model: A Behavioral and Proteomic Analysis <u>Plaiyafah Janthueng</u> , Wanfrutkon Waehama, Sawanya Charoenlappanit, Sittiruk Roytrakul, Prapapan Temkitthawon, Paweena Kaewman, Jureeporn Roboon, Samur Thanoi, Sutisa Nudmamud-Thanoi*	13.45-14.00
O-05	Repeated Anodal tDCS Drives Temporal Reorganization of Corticostriatal Circuits <u>Siripaporn Kesyou</u> , Bahrie Ramadan, Stephanie Dumontoy, Sutisa Nudmamud-Thanoi*, Vincent Van Waes*	14.00-14.15
O-06	Genetic Association of the <i>COMT rs4680</i> Polymorphism with Suicidal Behavior in Major Depressive Disorder: A Systematic Review and Meta-Analysis <u>Sulaifan Waehama</u> , Nathorn Chaiyakunapruk, Ratee Sawangjit, Nisalwa Japakeeya, Samur Thanoi, Paweena Kaewman, Jureepon Roboon, Gavin P Reynolds, Sutisa Nudmamud-Thanoi*	14.15-14.30
O-07	CBD-Enriched Hemp Extract and CBD Isolate Improve Anxiety-Related Outcomes in Stress-Induced Anxiety Rats <u>Wanfrutkon Waehama</u> , Jureepon Roboon, Prapapan Temkitthawon, Samur Thanoi, Sawanya Charoenlappanit, Sittiruk Roytrakul, Sutisa Nudmamud-Thanoi*	14.30-14.45
O-08	Comparison of Conventional Dissection Hall Teaching Versus Conventional Teaching Supplemented with Pirogov Virtual Dissection Table Sessions Among First-Year MBBS Students: A Comparative Study <u>Praveen K*</u> , Muralidhar Reddy Sangam, Roonmoni Deka	14.45-15.00

Gross Anatomy or Histology (O-09 – O-16)**Hour room**

Code	Title	Time
O-09	Advancing Sustainable Histopathology: Differential Performance of Zero Formalin Fixatives in Maintaining Vimentin and Ki-67 Immunoreactivity <u>Thanat Triangkul</u> , Ornjira Khampila, Panya Riubon, Juthapron Pavinai, Rojrit Rojanathanes, Saritvich Panyaboriban, Sayamon Srisuwatanasagul, Kongkiat Srisuwatanasagul*	13.00-13.15
O-10	Determining Accurate Sizing and Safe Trajectory of Lateral Mass Screws in the First Cervical Vertebra of the Emirati Population <u>Ivan James Prithishkumar</u> *, Dineshwary Suresh, Nerissa Naidoo, Rashid AlSharhan, Usama AlBastaki, Jeyaseelan Lakshmanan, Baylis Vivek Joseph	13.15-13.30
O-11	A Simplified Single-Solution Modified Thiel Embalming Protocol: Enhancing Visceral Stability and Cost-Efficiency for Anatomical Education <u>Napawan Taradolpisut</u> , Wattana Weerachatanukul, Arada Chaiyamoorn, Thewarid Berkban, Tracey Wilkinson, Athikhun Suwannakhan*	13.30-13.45
O-12	Sex Estimation from Human Skulls in Northeastern Thailand <u>Natthawadee Wongwad</u> , Suthat Duangchit, Kitinat Rodthongdee, Sittichai Iamsaard, Chanasorn Poodendaen, Narawadee Chompoo, Poonikha Namvongsakool, Phongpitak Putiwat, Pruet Boonsing, Kaemisa Srisen*	13.45-14.00
O-13	An Anatomy-Based Surgical Risk Tier for Inferior Vena Cava Anomalies and Precaval Right Renal Artery: A Risk-Oriented Anatomical Framework <u>Pattaratida Pattanatane</u> , Arada Chaiyamoorn, Ukrit Rompsaithong, Pattama Amartayakong, Jaturat Kanpittaya, Areeya Madsusan, Sukrit Sangkhano*	14.00-14.15
O-14	Comparison of Gastroscopy and Equine Weight Tape Methods for Estimating Esophageal Length in Cross-Breed Horses <u>Phinidda Cha-umphol</u> *, Natnaree Kaewsiri, Chapkit Chansamorn	14.15-14.30
O-15	Discrepancy Between Anatomical Renal Artery Length and Functional Surgical Space: A Preliminary Cadaveric Study <u>Tanathip Buadang</u> , Pitcha Praprukdee, Chanoknan Pamorn, Pattarapon Suaygad, Panawich Jirachotthamrongkul, Supphawit Phanmekhakun, Sukrit Sangkhano*	14.30-14.45
O-16	Early Histopathological Alterations in the Trachea of Streptozotocin-Induced Short-Term Diabetic Rats <u>Nitchanan Kitlertbanchong</u> , Sani Baimai*, Jirat Boonmameepool, Onsri Boonraksornpitak, Chutikan Kaensa	14.45-15.00

Embryology, Molecular Biology, Biotechnology (O-17 – O-22)**Digi room**

Code	Title	Time
O-17	Homogeneity of Mammary Epithelial Cells in Goat Milk-Derived <i>In Vitro</i> Culture Shin Homsahwat, <u>Chanatpong Kankong</u> , Siwakorn Maiseaumsook, Nawin Chanthra, Thanvarin Thitiphathpuvanon, Chomdao Sinthuvanich, Witchukorn Phuthong, Thao Phuong Trang, Prapatson Komsathorn, Sutthasinee Poonyachoti, Narongsak Chaiyabutr, Thomas A Lutz, Sapon Semsirboon*, SumpunThammacharoen*	13.00-13.15
O-18	Simvastatin Ameliorates Hypercholesterolemia and Sperm Quality but Fails to Restore Testicular Oxidative Defense in High-Fat Diet-Fed Rats <u>Siriporn Kreungnium</u> , Kanyakorn Aitsarangkun Na Ayutthaya, Aubonwan Sitthikhankeao, Natthapong Khamaiam, Apichaya Niyomchan, Patcharada Amatyakul, Piyanee Sriya, Hiroki Nakata, Peter J Mark, Wai Chen, Kroekkiat Chinda, Kannika Adthapanyawanich, Yutthapong Tongpob*	13.15-13.30
O-19	Histological and Proteomic Alterations of the Human Placenta Associated with Maternal Exposure to High and Low Seasonal Particulate Matter (PM) Levels <u>Keerakarn Somsuan</u> *, Wariya Mongkolwat, Tanapon Makkid, Iwaya Wongpia, Panida Navasumrit, Krittinee Chaisatra, Siripat Aluksanasuwan, Arunothai Wanta, Sangkae Chamnanvanakij, Supakorn Rojananin, Phateep Hankittichai, Atthapan Morchang, Artitaya Rongjumnong, Papawarin Karamart	13.30-13.45
O-20	Sildenafil Attenuates Venous Congestion-induced Hepatic Mitochondrial Injury and Fibrosis in a Rat Model of Pulmonary Arterial Hypertension <u>Phithiwat Tunlimsoon</u> , Phonthipha Siadkham, Natthapong Khamaiam, Aubonwan Sitthikhankaeo, Siriporn Kreungnium, Ratchanon Meenapa, Benyapha Phunsee, Usana Chatturong, Tipparat Meebangsua, Kannika Adthapanyawanich, Kroekkiat Chinda, Soontaree Petchdee, Krongkarn Chootip*, Yutthapong Tongpob*	13.45-14.00
O-21	Targeting Piezo1-Regulated Mitophagy Immunometabolic Pathway in an Organoid Model of Osteoarthritis <u>Kavitha Raja</u> *, Dineshwary Suresh, Surendra Rawat Singh, Ivan James Prithishkumar, Thomas Nau, Nerissa Naidoo	14.00-14.15
O-22	Phenylallylpentane-2,4-Dione Derivatives Ameliorated LPS-Induced Inflammation Independent of NF-κB Signaling Pathway in BV-2 Cell Culture <u>Nantaphat Paelaong</u> , Thanyaphat Sahaya, Supitcha Nilrat, Kittisak Sripha, Yingrak Boondam*	14.15-14.30



List of Poster Presentations

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Code	Titles and Authors
P-01	Maternal and Prenatal Safety Evaluation of <i>Zingiber officinale</i> Extract in a Rat Developmental Toxicity Model: Preliminary Investigation Natthapong Khamaiam, Nitchanan Piyatrakullert, Siriporn Kreungnium, Jirawan In-sutha, Wiyada Khangkhachit, Phonthipha Siadkham, Girana Bunsung, Kornkanok Ingkaninan, Kalyarut Phumlek, Hiroki Nakata, Peter J Mark, Wai Chen, Kroekkiat Chinda, Kannika Adthapanyawanich, <u>Yutthapong Tongpob</u> *
P-02	Hepatoprotective Role of Resveratrol in Acute Restraint Stress-Induced Wistar Albino Rats BV Murlimanju, Anusha Anandu Naik, Pooja K Suresh, Y Lakshmisha Rao, <u>Prasad Alathady Maloor</u> *
P-03	Brahmi and Thai Mixed Berry Extracts Attenuate Chronic Stress-Induced Testicular Dysfunction in Rats <u>Pornpimon Chuaypen</u> , Darunrat Onla-or, Jureepon Roboon, Kornkanok Ingkaninan, Samur Thanoi, Sutisa Nudmamud-Thanoi, Paweena Kaewman*
P-04	Combined Gamma-Oryzanol and Curcumin Attenuate Testicular Damage in Dexamethasone-Induced Depressive Rats <u>Darunrat Onla-or</u> , Pornpimon Chuaypen, Jureepon Roboon, Waree Tiyaboonchai, Samur Thanoi, Sutisa Nudmamud-Thanoi, Paweena Kaewman*
P-05	Neutrophil-Associated Extracellular Matrix Remodeling of the Aortic Wall in Sweet Syndrome: An Anatomical and Histopathological Study <u>Nichapha Chandee</u> *, Kulwadee Kanjana, Itsares Muikham, Boottoh Nambunruang, Dusit Kongnawakun, Ratirat Golaga
P-06	The Effects of Probiotics on Small Intestinal Histopathology in Rats Exposed to Chronic Unpredictable Mild Stress <u>Jariya Samo-on</u> , Suwapat Pakansit, Chadaporn Santawong, Pensiree Klinhom, Manwika Singсуwan, Maythanil Kantavaree, Siripaporn Kesуyу, Porntipha Vitheejongjaroen, Jureepon Roboon, Paweena Kaewman, Samur Thanoi, Sutisa Nudmamud-Thanoi, Ittipon Phoungpetchara*
P-07	The Effect of Cannabidiol (CBD)-Brahmi Extract on The Histopathology of Liver Tissue in Rats Induced with Chronic Unpredictable Mild Stress (CUMS) <u>Chadaporn Santawong</u> , Pensiree Klinhom, Jariya Samo-on, Manwika Singсуwan, Maythanil Kantavaree, Plaifah Janthueng, Wanfrutkon Waehama, Jureepon Roboon, Paweena Kaewman, Samur Thanoi, Sutisa Nudmamud-Thanoi, Ittipon Phoungpetchara*
P-08	The Effect of CBD-Brahmi Extract on the Histopathology of Gastric Tissue in Rats Induced by Chronic Unpredictable Mild Stress <u>Pensiree Klinhom</u> , Chadaporn Santawong, Jariya Samo-on, Manwika Singсуwan, Maythanil Kantavaree, Plaifah Janthueng, Wanfrutkon Waehama, Jureepon Roboon, Paweena Kaewman, Samur Thanoi, Sutisa Nudmamud-Thanoi, Ittipon Phoungpetchara*

Code	Titles and Authors
P-09	<p>Standardized Extract of <i>Centella asiatica</i> (ECa 233) Ameliorates High-Fat Diet-Induced Steatohepatitis in Rats</p> <p><u>Phonthipha Siadkham</u>, Wittawat Tajai, Suthaphat Kongsak, Akkarawat Sathong, Aphinya Chaiklam, Saowalak Rungruang, Apichaya Niyomchan, Piyanee Sriya, Mayuree H Tantisira, Peter J Mark, Wai Chen, Kannika Adthapanyawanich, Kroekkiat Chinda*, Yutthapong Tongpob*</p>
P-10	<p>Comparative Protective Effects of Dried Mulberry Fruit and Standardized Extract Against High-Fat Diet-Induced Male Reproductive Dysfunction in Rats</p> <p><u>Kanyakorn Aitsarangkun Na Ayutthaya</u>, Siriporn Kreungnium, Saowalak Rungruang, Wittawat Tajai, Apichaya Niyomchan, Patcharada Amatyakul, Hiroki Nakata, Wai Chen, Sutthinee Wisutthathum, Kannika Adthapanyawanich, Kroekkiat Chinda*, Yutthapong Tongpob*</p>
P-11	<p>Evaluating the Combined Therapeutic Potential of β-Eudesmol and Gefitinib against EGFR-Driven Breast and Lung Cancers: A Preliminary Investigation</p> <p><u>Warintorn Wongho</u>, Akawan Changtong, Pattareeya Sereesantiwong, Sangkab Sudsaward*, Sasiprapa Khunchai*</p>
P-12	<p>Effects of Melatonin on Autophagy-Related Pathways in Pancreatic Beta Cells in Streptozotocin-Induced Type 1 Diabetic Rats</p> <p><u>Khunchanit Duangplee</u>, Pariwat Wisetwongsa, Janyaruk Suriyut, Ratchadaporn Pramong*</p>
P-13	<p>Therapeutic Potential of Curcumin in Restoring Hepatic Autophagy in Streptozotocin-Induced Type 1 Diabetic Rats</p> <p><u>Napat Uesettasak</u>, Pongsak Khanpetch, Cheng Nilbu-nga, Ratchadaporn Pramong*</p>
P-14	<p>Protective Effect of Melatonin against Inflammation in the Liver of Streptozotocin-Induced Type 1 Diabetic Rats</p> <p><u>Chaiyavut Charoensrisan</u>, Chittapon Jantararussamee, Pattanapong Boonprom, Ratchadaporn Pramong*</p>
P-15	<p>From Canvas to Code: A Systematic Review of Artificial Intelligence Transforming Medical Illustration in Medical Education</p> <p><u>Ujwala Bhanarkar</u>*, Yogesh Sontakke, Ashish Pundhir</p>
P-16	<p>Sesamin-Mediated ROS Reduction in L929 Fibroblasts: Limited Impact on Cytotoxicity and Migration Under Oxidative Injury</p> <p><u>Thita Suksakit</u>, Suteera Narakornsak, Natnicha Kampan, Waleephan Treebupachatsakul, Rungusa Pantan*</p>
P-17	<p>Microstructure Analysis and <i>In Vitro</i> Anti-urolithiasis Activity of <i>Gracilaria fisheri</i> Sulfated Galactans Obtained by Different Extraction Methods</p> <p><u>Tawut Rudtanatip</u>*, Waraporn Sakaew, Somsuda Somintara, Choowadee Pariwatthanakun</p>
P-18	<p>Effects of Cricket Protein Lysate on Mammary Gland Carcinoma: An <i>In Vitro</i> Study Using Human Cell Line</p> <p>Sasipat Teerawongsuwan, Theepakorn Surapha, Samart Dorn-In, <u>Ruttachuk Rungsiwiwut</u>*</p>
P-19	<p>The Potential of Quercetin Co-treatment with Neurogenic Induction on Neuronal Differentiation of Human Stem Cells from Apical Papilla, An <i>In Vitro</i> Study</p> <p><u>Tarinee Chodchavanchai</u>, Supanat Lumbikananda, Peeratchai Seemuang, Amarin Thongsuk, Tatcha Balit, Nopporn Jongkamonwiwat, Charoensri Thonabulsombat, Anupong Thongklam Songsaad*</p>

Code	Titles and Authors
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P-21	<p>Effects of Probiotic Supplementation on Blood Chemical Parameter and Sucrose Preference Test in Chronic Unpredictable Mild Stress-Induced Rats <u>Suwapat Pakansit</u>, Jariya Samo-on, Porntipha Vitheejongjaroen, Sutisa Nudmamud-Thanoi, Jureepon Roboon*</p>
P-22	<p>Therapeutic Effects of Nano-Curcumin in a Dexamethasone-Induced Depression Model: Evidence from Histological and Proteomic Analyses <u>Ponthip Cheenkhwan</u>, Suchiwa Pan-on, Waree Tiyafoonchai, Samur Thanoi, Sawanya Charoenlappanit, Sittiruk Roytrakul, Jureepon Roboon, Sutisa Nudmamud-Thanoi*</p>
P-23	<p>Age-Related Differences in the Association Between Cognitive Performance and Middle Frontal Gyrus Cortical Thickness <u>Thunyarut Bannawongsil</u>*, Tussaneeya Ngamvong, Napawan Taradolpisut, Athikhun Suwannakhan</p>
P-24	<p>Tuna Blood Hydrolysate Attenuates Apoptosis in Dopaminergic Neurons in an <i>In Vitro</i> Model of Parkinson's Disease Morakot Sroyraya, Panlekha Rungruang, Daraphan Rodthayoy, Patnaree Phopaijit, Sita Keeratikorapisut, <u>Veerawat Sansri</u>*</p>
P-25	<p>Nutrient Foramen Position in Upper Thoracic Vertebrae for Posterior Thoracic Pedicle Screw Placement in a Northeast Thai Population <u>Supatsapa Unsri</u>, Chanasorn Poodendaen, Narawadee Chompoo, Poonikha Namwongsakool, Pruet Boonsing, Kitinat Rodthongdee, Suthat Duangchit, Kaemisa Srisen*</p>
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P-28	<p>Microvascular-Associated Histopathological Changes in the Parathyroid Gland of Streptozotocin-Induced Diabetic Rats <u>Sani Baimai</u>*, Chanachai Lohasaptawee, Jirat Boonmameepool, Chutikan Kaensa, Onsri Boonraksornpitak</p>
P-29	<p>Histopathological Remodeling of the Upper Esophageal Epithelium and Skeletal Muscle in Long-Term Diabetic Rats: Implications for Dysphagia <u>Thidarat Bandhitjeen</u>, Sani Baimai*, Chutikan Kaensa, Siriyakorn Pramchai</p>
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Code	Titles and Authors
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P-32	An Alternative Metric for Sex and Stature Estimation: Femoral Intertrochanteric Length on 3DCT <u>Phannavich Malawan*</u> , Apichat Sinthubua, Pasuk Mahakkanukrauh
P-33	Sex Determination Based on Cranial Base Osteometry in a Thai Population <u>Nuttanicha Thumpunya</u> , Pagorn Navic, Patison Palee, Sukon Prasitwattanaseree, Apichat Sinthubua, Pasuk Mahakkanukrauh*
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P-35	Cutaneous Histopathological Changes in the Plantar Skin of STZ-Induced Diabetic Rats <u>Chutikan Kaensa</u> , Sani Baimai*
P-36	Right-Sided Duplicated Ureter: A Case Report <u>Kewithinwangbo Newme*</u>
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P-39	Prostatic Calcification as a Potential Imaging Biomarker for Predicting Prostatic Disease Severity in Thai Men <u>Boottoh Nambunruang</u> , Laphatrada Yurasakpong, Athikhun Suwannakhan, Pathompong Limsila, Taweesak Tangrodchanapong*
P-40	Effects of Standardized Extract of <i>Centella asiatica</i> (ECa 233) on Male Reproductive Function in High-fat Diet-fed Rats Chanapa Runthasot, Natthapong Khamaiam, Siriporn Kreungnium, Aubonwan Sitthikhankaeo, Kanyakorn Aitsarangkun Na Ayutthaya, Apichaya Niyomchan, Piyanee Sriya, Mayuree H. Tantisira, Hiroki Nakata, Peter J Mark, Wai Chen, Kroekkiat Chinda, <u>Kannika Adthapanyawanich</u> , Yutthapong Tongpob*
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Code	Titles and Authors
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P-45	<p>Designing a Virtual Classroom in Embryology: A Prototype <u>Nutmethee Kruepunga</u>*</p>
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P-49	<p>Toward a National Framework for the Governance of Human Tissue in Thailand: The Need for Comprehensive Legislation <u>Athikhun Suwannakhan</u>*</p>
P-50	<p>Lowering the Barrier to 3D Anatomical Modeling: A Free macOS Photogrammetry Application Athikhun Suwannakhan*, Luisa Leiss, James White, Nicole Smith, Iosif Alhendi, <u>Tracey Wilkinson</u></p>