



PAP 46th International Conference of Pakistan Association of Pathologists

11th JOINT CONFERENCE OF SOCIETIES OF PATHOLOGY

10 October 11 October 12 October 2025 Pearl Continental Hotel Lahore

"INNOVATIONS IN PATHOLOGY: BRIDGING SCIENCE, TECHNOLOGY, AND PATIENT CARE IN THE AGE OF ARTIFICIAL INTELLIGENCE"



Scientific Program





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10 October 11 October 12 October **2025** Pearl Continental Hotel Lahore



**Pakistan Society of
Chemical Pathologists**

Shalimar Hall A



Day 1: Friday, 10th October 2025

All Societies First Joint Session

Venue: Crystal Hall A-B

Chair: Prof A.S Chughtai, Prof. Steven D Billings,
Prof. Prof. Abhimanyu JHA, Prof Khurseed Ahmed
Moderator: Prof Zainab Rizvi / Prof Farwa Batool

12:30pm	Registration open
2:30pm	Guest to Seated
3:00pm - 3:05pm	Recitation of Holy Quran
3:05pm - 3:10pm	Naat e Rasool Maqbool
3:10pm - 3:15pm	National Anthem
3:15pm - 3:30pm	Welcome Address by: Prof. Mulazim Hussain Bukhari Report of PAP 2025 Prof Farwa Batool Introduction to PAP 2025 Prof. Saima Farhan
3:30pm - 3:50pm	1st Keynote Lecture: Prof. Steven D. Billings Topic: Clinical and Pathology correlation for accurate diagnosis
3:50pm - 4:10pm	2nd Keynote Lecture: Prof. Abhimanyu JHA Challenges in Laboratory Practices in a developing himalayan country: AI in focus



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4:10pm - 4:30pm	3rd Keynote Lecture: Maj. Gen.(R) Suhaib Ahmed, HM(M) Diagnosis of Non-Beta Thalassemia Genetic Disorders
4:30pm - 4:50pm	4th Keynote Lecture: Prof. Tahir Pillay Harnessing big data for patient-based real-time quality control (PBRTQC) in developing countries
4:50pm - 5:10pm	5th Keynote Lecture: Dr Mateen Izhar Battling Antimicrobial Resistance: Rise of the Digital Microbiologist
5:10pm - 5:30pm	6th Keynote Lecture: Dr. Sibtain Ahmed Diagnostics Without Boundaries: Expanding Access through Decentralized Testing
	Namaz Break



Day 1: Friday, 10th October 2025

Inaugural Session & Razi Lecture

Venue: Crystal Hall A & B

Moderator: Prof Zainab Rizvi / Prof Farwar Batool

06:00pm	Guest to seated
6:10pm - 6:13pm	Recitation of Holy Quran
6:13pm - 6:17pm	National Anthem
6:17pm - 6:30pm	Address By President PAP & Chairman Organizing Committee: Prof. Mulazim Hussain Bukhari
6:30pm - 7:15pm	Razi Lecture: Dr Abdul Khan Bari (CEO Indus Hospital)
7:15pm - 8:00pm	Address by the Chief Guest
8:00pm - 8:30pm	Ceremony of Life Time Achievement Award
8:30pm - 9:00pm	Inaugural of Exhibition
9:00pm - 10:15pm	Mushara & Dinner



Day 2: Saturday, 11th October 2025

All Societies Second Joint Session

Venue: Crystal Hall A-B

Chair: Prof Ibrahim Mansoor, Prof. Bushra Moiz,
Prof Shahid Pervaiz, Prof. M. Dilawar Khan
Moderator: Prof Zainab Rizvi / Dr. Kiran Nayyar

9:00am - 9:05am	Recitation of Holy Quran
9:05am - 9:10am	Naat e Rasool Maqbool
9:10am - 9:30am	7th Key Note Lecture: Antonios Bouharoun Lab Workflow Heritage and future
9:30am - 9:50am	8th Key Note Lecture: Prof. Anil Parwani From Pixels to Patterns, Diagnostics to Predictions: The Transformative Power of Digital Pathology and Artificial Intelligence
9:50am - 10:10am	9th Key Note Lecture: Prof. Ibrahim Mansoor Disruptive Digital Transformation: How Laboratories Will Drive Healthcare's Next Revolution
10:10am- 10:30am	10th Key Note Lecture: Wael Bazzi, Empowering Healthcare with Integrated Solutions: A bioMérieux Overview
10:30 - 11:00	Tea Break at GBR Hall A&B



Day 2: Saturday, 11th October 2025

Session I

Shalimar Hall – A

Chair: Prof. Farhan Ahmed (UK)

Co-Chair: Prof. Aysha Habib

Moderator: Dr. Hijab Batool

Time	Topic
11:00 – 11:25	Syed Azhar Ahmad Memorial Lecture: Maj. Gen (R) Farooq Ahmed Khan A journey through Time: Legacy & Transformation of Chemical Pathology & PSCP
11:25 – 11:50	Keynote Talk: Prof. Tahir Pillay - South Africa New developments in the use of the common cardiovascular risk markers
11:50 – 12:15	Keynote Talk: Dr. John I. Anetor - Nigeria Potential Scientific & Economical Benefits of Sustainable Laboratory Medicine: Pathways to Realization
12:15 – 12:40	Keynote Talk: Prof. Aamir Ijaz Machine Learning and Generative AI in Lab Medicine - Let us not miss the train
12:40 – 01:00	Distribution of Souvenirs
01:00 – 02:00	Namaz & Lunch Break:



Day 2: Saturday, 11th October 2025

Session II: Shalimar Hall – A

Chair: Maj. Gen (R) Farooq Ahmed Khan
Co-Chair: Prof. Rizwan Hashim
Moderator: Dr. Tayyaba Rashid

Time	Topic
02:00 – 02:15	Transforming Healthcare through Metabolomics: Opportunities for Pathology in Pakistan Prof. Aysha Habib , AKUH, Karachi
02:15 – 02:30	Future of Laboratory Diagnostics in the Era of Artificial Intelligence. Prof. Zujaja Hina Haroon , CMH, Peshawar
02:30 – 02:45	Artificial Intelligence: Expanding Scientific Boundaries and Enhancing Innovation. Prof. Sabahat Haider , Sheikh Zaid Medical College, Rahim Yar Khan
02:45 – 03:00	Uric Acid & Urates: Initiators or Abettors of Calcium Oxalate Lithiasis. A Metabolic and Ultra-Structural Study - Prof. Mirza Naqi Zafar , SIUT, Karachi
03:00 – 03:15	Analytical Challenges in Drug of Abuse Testing Prof. M. Aamir , Shifa International Hospital Islamabad
03:15 – 03:30	The Rise & Fall of Medical Specialties: The AI-Driven Impact. Dr. Sikandar Hayat Khan , AFIP, Rawalpindi
Distribution of Souvenirs	



Day 2: Saturday, 11th October 2025

Session III

Shalimar Hall – A

Chair: Prof. John Anetor (Nigeria)

Co-Chair: Prof. Imran Siddiqui

Moderator: Dr. Masood Afzal

Time	Topic
04:00 – 04:07	Exploring the Relationship Between Vitamin D Level and Asthma Severity in Children at A Tertiary Care Hospital - Dr. Farhan Ahmed Shaikh , Liaquat University of Medical Sciences, Jamshoro
04:07 – 04:14	Spectrum of lipid profile among cancer patients, Pre and Post treatment analysis: A prognostic factor determining quality of life - Dr. Nayab Zehra , Shaukat Khanum Memorial Cancer Hospital, Lahore
04:14 – 04:21	Molecular Characterization of DPYD Gene Polymorphism: A Tertiary Care Experience Dr. Maimona Roghani , AFIP, Rawalpindi
04:21 – 04:28	Association Between Melanocortin-4 Receptor Genotype and Phenotype in Overweight Children (12-18 Years) at Abbottabad - Dr. Rubina Faisal Paul , Ayub Medical College, Abbottabad
04:28 – 04:35	High-Sensitivity Troponin-Guided Diagnostic Pathways Versus Standard Care in Suspected ACS: A Systemic Review and Meta-Analysis - Dr. Naveed uz Zafar , Liaquat University of Medical Sciences, Jamshoro



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04:35 – 04:42	CRISPR Bridging Science, Technology, and Patient Care in the Age of Artificial Intelligence Dr. Waqas Hanif , CMH, Kharian
04:42 – 04:49	Way Forward for AI Application Among Residents and Consultants of Chemical Pathology in Pakistan Dr. Jawad ul Haq , DHQ Hospital, Lodhran
04:49– 04:56	Biochemical Spectrum of Serum Cortisol Levels in Critically Ill Patients: Its Prognostic Value and Survival Analysis in ICU Patients in a Tertiary Care Hospital Setting. Dr. Nadia Asher , Indus Hospital, Karachi
04:56 – 05:05	Distribution of Souvenirs
05:05 – 05:30	Executive Council Meeting:
05:30 onward	Tea & end of the Day:



Day 3: Sunday, 12th October 2025

Session IV

Shalimar Hall – A

Chair: Prof. Tahir Pillay (South Africa)
Co-Chair: Prof. Sahar Iqbal
Moderator: Dr. Fauzia Sadiq

Time	Topic
08:30 – 08:45	Keynote Talk: Role of Chemical Pathologist in Kidney Stone Management. Prof. Farhan Ahmed - UK
08:45 – 08:55	Liver enzymes abnormalities and their correlation with serum ferritin in beta thalassemia major patients with multiple blood transfusions: A cross-sectional study - Dr. Mehvish Sana , Children Hospital, Multan
08:55 – 09:05	Optimizing Newborn Screening Services: Establishing Population-Specific Diagnostic Cutoffs for Biotinidase Deficiency - Dr. Hafsa Majid , AKUH, Karachi
09:05 – 09:15	Diagnostic Potential of microRNA Panel for Coronary Artery Disease in Patients with Angina Dr. Tanveer Abbas Gilani , CMH, Lahore
09:15 – 09:25	Transforming Clinical Chemistry Education: A Quantitative Approach to Redefining Core Competencies for MLT in Pakistan Dr. Usman Munir , Armed Forces Hospital, Islamabad



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09:25 – 09:35	Perceptions of AI in Medical Education: A Cross-Sectional Survey of Educators & Practitioners Dr. Nusrat Alavi , RMDC, Lahore
09:35 – 09:45	Familial Combined Hyperlipidaemia in a Unique Clinical Context. Dr. Sidra Sadiq , Northwest School of Medicine, Peshawar
09:45 – 09:55	The Analytical Performance Evaluation of Routine Clinical Chemistry Parameters by Six Sigma Approach: An Effective Tool for Laboratory Quality Management Dr. Asma Rasheed , University College of Medicine & Dentistry, Lahore
09:55 – 10:05	The Gender & Age Wise Prevalence of C-Peptide Level Among Population of Sindh: A Laboratory Study. Dr. Faheem Ahmed Memon , Liaquat University of Medical Sciences, Jamshoro
10:05 – 10:30	Distribution of Souvenirs
10:30 – 11:00	Tea Break



Day 3: Sunday, 12 October 2025
Session V:
Shalimar Hall – A

Chair: Prof. Adnan Mustafa Zuberi

Co-Chair: Prof. Asma Shaukat

Moderator: Dr. Hafiz M. Bilal

Time	Topic
11:00 – 11:07	Association of Mean Pentraxin-3 Levels with Fibrosis and Carotid Intimal Thickening in Patients with MAFLD. Dr. Rubab Malik , PAC Hospital Kamra, Attock
11:07 – 11:14	Turnaround time of hs Trop I as a Benchmark of Improved Laboratory Performance. Dr. Sadia Bashir , Chughtai Institute of Pathology, Lahore
11:14 – 11:21	Reference Values of Serum Pepsinogen-I in the Healthy Pakistani Population. Dr. Zobia Munawar , Chughtai Institute of Pathology, Lahore
11:21 – 11:28	Analysis of Critical Alert Values in the Chemical Pathology Lab at a Tertiary Care Hospital. Dr. Maria Tehreem , QAMC, Bahawalpur
11:28 – 11:35	Beyond the QC Chart: Can AI Prevent the Next Lab Error Before It Happens? Dr. Nayab Ashfaq , AFIP, Rawalpindi
11:35 – 11:42	Retrospective Analysis of Bone Status Indices in Patients with Chronic Kidney Disease and their Association with Renal Function. Dr. Umer Naeem Effendi , AKUH, Karachi



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11:42 – 11:49	Comparison of Serum Procalcitonin Levels in Patients with Gram-Negative and Gram-Positive Sepsis. Dr. Sayeda Basma Bukhari , A M College, Rawalpindi
11:49 – 11:56	Diagnostic Accuracy of Serum HE4 as a Biomarker for Endometrial Carcinoma Dr. M Omar , Shifa International Hospital, Islamabad
11:56 – 12:03	Frequency of Vitamin D Deficiency in Breast Carcinoma Patients of Rawalpindi and Islamabad Area. Dr. Urooj Fatima , Pak Emirates Military Hospital, Rawalpindi
12:03 – 12:10	AI-Driven Nanobots: The Future of Precision Diagnostics in Clinical Laboratories. Dr. Anser Umar Khan , AFIP, Rawalpindi
Parallel Poster Presentations Prize distribution	
12:30 – 02:00	Namaz Break



Day 3: Sunday, 12 October 2025 Session VI: Corporate Session Shalimar Hall – A

Chair: Prof. Abdus Sattar
Co-Chair: Prof. Nadia Mehmood
Moderator: Dr. Rukhsana Tumrani

Time	Topic
02:00 – 02:15	Quality Towards Excellence – Mr. Asif Iqbal Sales Director Pakistan & Afghanistan, Snibe, China
02:15 – 02:30	TB-AGRA on Autolumbo – Mr. Frank Zhao International Technical Director, AutoBio, China
02:30 – 02:45	Innovation in Clinical Chemistry: Automation & AI in Practice. Prof. Ibrahim Mansoor , Roche Pakistan.
02:45 – 03:00	Distribution of Souvenirs
03:00 – 3:30	Closing Ceremony & Award Distribution:
3:30	Lunch and End of Conference