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سركسز الخدمسات لصحية المسساندة HEALTH SUPPORT SERVICES CENTER





Empowering Justice Through **Innovation** in Forensic Medical Sciences















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WORKSHOPS

October 27, 2025











Workshops (October 27, 2025)

Time	Venu	Workshops Titles
08:00 AM - 03:00 PM	AlUla 1 – Floor 9	Forensic Anthropology: Identification Using the Skeleton
08:00 AM - 12:00 PM	AlUla 2 – Floor 9	Quality Assurance and Enhancement in Forensic Toxicology Laboratories
01:00 PM - 03:00 PM	AlUla 2 – Floor 9	Forensic Perspectives in MRO Evaluations of Positive Drug Tests
08:00 AM - 03:00 PM	AlUla 3 – Floor 9	From Case to Court: Managing Child Abuse Cases from a Multidisciplinary Perspective
08:00 AM - 01:00 PM	AlUla 4 – Floor 9	Real Cases in Forensic Medicine and Responding to Prosecutors' Inquiries
01:00 PM - 04:00 PM	AlUla 4 – Floor 9	The Strategic Dimensions of Forensic Medical Services in the Saudi Armed Forces: Legal, Medical, Educational, and Operational Roles in Armed Conflicts
08:00 AM - 02:00 PM	AlUla 5 – Floor 9	Breaking the Silence: Practical Forensic DNA Strategies for Identifying Human Remains
08:00 AM - 12:00 PM	Opal 2 – Floor M	Operational Management and Identification of Human Remains in Conflict Zones Involving Weapons of Mass Destruction
01:00 PM - 03:00 PM	Opal 2 – Floor M	The Role of Forensic Evidence in Disaster Victim Identification (DVI)













DAY 01

October 28, 2025











AGENDA (DAY 01 - October 28, 2025)

Time	Room	Session Topic	Chairperson	Presentation Titles	Presenters
07:00– 08:00				REGISTRATION	
		PANEL	ANEL • Prof. Mohammed SSION Madadine	Towards Clarity: The Saudi Initiative to Identify and Classify Deaths of Unknown Cause	• Dr. Ahmed Alyahya
08:00 - 10:00	MAIN HALL			Guardians of Truth: The Fundamental Role of International Protocols and Guidelines in Clinical Forensic Medicine and Forensic Pathology	Prof. Duarte Nuno Vieira
		3233.314		Alternate Light Sources (Als) - A Tool for The Detection of Traces and Injuries	• Dr. Yanko Kolev
				Forensic Medical Services for Child Sexual Harm in Ireland within a Barnahus Model	• Dr. Joanne Nelson
10:00 - 10:30			(COFFEE BREAK DIGITAL POSTER SESSION (1)	
		OOM A CLINICAL FORENSIC		Elder Abuse: Between Reality and Myth	Dr. Ahmad Oqailan
				False Pains, Real Consequences: Medico-Legal Reflections on Malingering	Prof. Abdelhamid Addou
				Study on Criminal Abortion in Middle East	Dr. Mohamed Elgebely
				Documentation and Expert Evaluation of Sexual Violence Cases: Legal and Ethical Challenges in Algerian Practice	• Prof. Khaled Doubali
10:30 -	ROOM A			Traumatic Pelvic Fractures Hospitalized in Kasr Al-Ainy Hospital: Retrospective Study	• A/Prof. Hanaa Elzahed
12:30				Epidemiological and Clinical Assessment of Interpersonal Violence Against Women and Children in Southern Algeria: A Cross-Sectional Forensic Study in Laghouat"	• A/Prof. Massinissa Benyagoub
				Forensic Psychiatry of Post-Rape Body Mutilation: Psychodynamics of Sexual Sadism and Extreme Offender Behavior	• Dr. Paridhi Billore











AGENDA (DAY 01 - October 28, 2025)

ime	Room	Session Topic	Chairperson	Presentation Titles	Presenters
10:30 -		QUALITY AND	Alsawygh:	Optimizing Mortality Data Quality and Cause-of-Death Reporting in Multi-Sector Hospitals: A Strategic Initiative in Taif Governorate	• Dr. Mamdouh Zaki
				Improving the Quality of Mortality Data and Cause of Death coding: A Public Health Priority	• A/Prof. Fadwa Elroby
				Raising Life Expectancy in the Kingdom of Saudi Arabia	• Mr. Khalid Al Dahmashi
2:30	ROOM B	MORTALITY DATA		Study on the quality of medico-legal reports writing in the academic hospital, Mardan, KPK.	• A/Prof. Shahid Iqbal
				Forensic Consideration in Acute Care Settings	• Dr. Wail AlKhaldi
				Where Vision Meets Innovation: Modular Emergency Response Towards Excellence in Disaster Fatality Management	• Dr. Hisham Dinar
				Errors in Forensic Medicine: Typological Analysis, Contributing Factors, and Preventive Strategies	Prof. Abdelhamid Addou
2:30- 3:30				Photo-Induced Enhanced Raman Spectroscopy for Explosives on a hydride of in	• Dr. Sultan Ben Jaber
				203-Au Nanoparticles.	• Dr. Sultan Ben Japer
				Cutting-Edge Forensic DNA and Genomic Solutions for the Identification of Unknown Human Remains: A Comprehensive Review	• Dr. Yahya Khubrani
					Dr. Yahya Khubrani Dr. Nora Aljalaud
5:30 –	20044	FORENSIC	• Dr. Yahia Khobrani	Unknown Human Remains: A Comprehensive Review The Role of Forensic Science in Combating Bioterrorism Ultrastructural study of antennal sensilla in three forensically important dipteran	
	ROOM A	FORENSIC SCIENCES	Dr. Yahia Khobrani Dr. Yanko Kolev	Unknown Human Remains: A Comprehensive Review The Role of Forensic Science in Combating Bioterrorism Ultrastructural study of antennal sensilla in three forensically important dipteran	Dr. Nora Aljalaud A/Prof. Marwa Ramadan
3:30 – 5:30	ROOM A			Unknown Human Remains: A Comprehensive Review The Role of Forensic Science in Combating Bioterrorism Ultrastructural study of antennal sensilla in three forensically important dipteran species Assessment of DNA extraction methods using trace biological samples on different	• Dr. Nora Aljalaud
	ROOM A			Unknown Human Remains: A Comprehensive Review The Role of Forensic Science in Combating Bioterrorism Ultrastructural study of antennal sensilla in three forensically important dipteran species Assessment of DNA extraction methods using trace biological samples on different substrates	Dr. Nora Aljalaud A/Prof. Marwa Ramadan Ms. Deem Mohammed Aldawish











AGENDA (DAY 01 - October 28, 2025)

Time	Room	Session Topic	Chairperson	Presentation Titles	Presenters
		MB FORENSIC AI	• Dr. Ahmad Al Oqailan; • Prof. Michael Thali	Leveraging Artificial Intelligence in the Detection and Management of Munchausen Syndrome by Proxy (MSbP)	• Dr. Dena Atef Hamdi
				A Framework for Responsible AI Implementation in Law Enforcement: Lifecycle- Based Guidelines from INTERPOL and UNICRI	• Ms. Amira Abdelhamid
				The Role of Al-Assisted Medical Imaging in Classifying Head Injuries and Estimating Islamic Legal Compensation: A Comparative Study Between Medical and Jurisprudential Standards	• A/Prof. Meaad Elbashir
13:30 – 15:30	ROOM B			Forensic Applications of Wearable Technology: Unlocking Hidden Evidence from Smart Devices	• Prof. Heba Shahatou
				Assessing Postmortem Brain Edema: A comparative Evaluation of Estimation Techniques	• A/Prof. Shrouk Ali
				From microbial data to forensic insights: systematic review of machine learning models for PMI estimation	• Dr. Abdulkreem Al-Juhani
				Artificial Intelligence / Computational Pathology in Forensic Cardiovascular Diagnosis	• Dr. Salman Alfifi
				The Incidence of Dental Anomalies in a Qatari Population Sample	• Dr. Sabiana Elsayed







Digital Posters

October 28, 2025

Session 01

10:00 - 10:30











Digital Poster Session 1 10:00 - 10:30 (DAY 01 - October 28, 2025)

Peresenter	Abstrct title
· Dr. Nuha Ramadan Alghamdi	Strangulation in children: A threat to child safety
· Dr. Abdulkreem Al-Juhani	Advances in Postmortem Interval Estimation: A Systematic Review of Machine Learning and Metabolomics Across Various Tissue Types
Dr. Mohamed Elhafiz Abdelbagi Nouri	High-Pressure Water Jet injury: fatal outcome: A Case Report
Dr. Tarek Mohamed Abdalrouf Ibrahim	Fatal Sudden death: incidental autopsy finding of mediastinal angiomyolipoma: A Case Report.
· Dr. Tareq Saud Aldweehy	Forensic Value of Multiple Focal Calvarial Thinning: A Case Report
· Prof. Rania Abdel Maguid Kaka	The Al-Augmented Autopsy: Revolutionizing Injury Interpretation and Forensic Diagnostics.
· Dr. Asem Ismail	Atypical Suicidal Hanging in a Prone Position with Frayed Ligature: A case Report.
· Dr. Hatoon Fahd Hakeem	Unrecognized case of constrictive pericarditis who presents with burn injuries.
· Dr. Abdullah Al-Shammari	Fatal Thoracoabdominal Impaction During Unauthorized Entry: A Rare Case of Mechanical Asphyxia and Positional Entrapment.
· Dr. Afnan Abdulrahman Alharbi	Penetrating Head Injury by Metallic Projectile
· Prof. Abdelhamid Mebirik Addou	Violent Suicidal Death in the Sétif Region: A Forensic and Epidemiological Approach
· Dr. Paridhi Billore	Autoerotic Asphyxia and Cross Dressing: Forensic and Psychiatric Insights from Unusual Paraphilic Fatalities
· Dr. Safia bin Shayhon	Sudden death due to rupture ectopic pregnancy – Autopsy case report











Digital Posters

October 28, 2025

Session 02

12:30 - 01:30











Digital Poster Session 2 12:30 - 01:30 (DAY 01 - October 28, 2025)

Peresenter	Abstrct title
· Mr. Omar Yousef Algarzaee	Identifying genetic traits from fingerprint traces treated with chemical substances.
· Ms. Heba Mohammad Alharbi	Identification of Human DNA from Degraded Mosquito Blood Meals Over Time
· Mr. Mohammed Aldhafeeri	Assessment of DNA Extraction Method (Qiagen Mini Kit) on Different Substrates using Semen Samples
· Dr. Husein Alhatim	Autosomal Genetic and Lineage Marker Profiles in Saudi Pre-Treatment Leukemia Patients: A Case-Control Analysis
· Mrs. Shurog Saad Alharbi	A Theoretical Analysis of Environmental Effects on the Stability of Forensic DNA in Blood Evidence
· Ms. Atheer Khalid Almajed	A Y STR Study on Saudi Male Population Sample
· Ms. Rahaf Ahmed Alamri	Study To Determine Shedder Status in The Saudi Population Using Transfer of Trace DNA On Various Substrates
· Ms. Reem Saeed Alqahtani	Evaluation and Development of a Salting Out Method for DNA Extraction from Blood Samples Collected on Different Surfaces
· Ms. Sausan Abdulrahman Al Khrashi	Population Substructure Analysis Using Precision ID Ancestry Panel Kit for a sample of Saudi Arabian Individuals
· Dr. Hattan Suliman Gattan	Screening of MAOA gene in general population in Jeddah
· Ms. Alya Saud Alghamdi	Temperature and humidity negatively impact the collection of human DNA from the air
· Mr. KHALED SAKHEEL AL SHAMMARI	The Importance of Medical Sterilization During Forensic Autopsy: Procedures in Preventing Infections Among Medical Staff and Obtaining More Accurate Results
· Saji Jaber Al Reshdan	Determination of Alcohol Level in Selected Beverages











DAY 02

October 29, 2025











AGENDA (DAY 02 - October 29, 2025)

Гime	Room	Session Topic	Chairperson	Presentation Titles	Presenters
7:00 – 08:00				REGISTRATION	
				Forensic and Legal Medicine in Saudi Arabia	• Prof. Mohammed Madadine
	MAIN HALL	PANEL	• Prof. Osama	Advancing On-Site Drug Testing: Portable Semi-Quantitative Devices with Laboratory-Level Quality	• Prof. Hee-Sun Chung
0:00	HALL	SESSION	Almadani	Every Death Reviewed: The new Medical Examiner system in England & Wales	• Prof. Jason Payne-James
				Thali View" of Forensic Imaging: from Virtopsy to Virtoxy and Al-opsy!	• Prof. Michael Thali
				Human Identification by Skeletal Means: Useful Concepts for Practitioners	• Dr. Joe Adserias-Garriga
0:00 - 10:30			(COFFEE BREAK DIGITAL POSTER SESSION (3)	
			(
			(Complex Suicides Involving Drowning: Forensic Perspectives	Prof. Mahrous Ibrahim
			(Prof. Mahrous Ibrahim A/Prof. Yogesh Kumar
				Complex Suicides Involving Drowning: Forensic Perspectives	
				Complex Suicides Involving Drowning: Forensic Perspectives Role of Body Farming (Forensic Taphonomy) in Research and Investigation Identification of Two Cases in Forensic Medicine Using Unsophisticated Methods in	• A/Prof. Yogesh Kumar
	ROOM A	FORENSIC MEDICINE	 Dr. Dalia Alsaif; Prof. Jason Payne- James 	Complex Suicides Involving Drowning: Forensic Perspectives Role of Body Farming (Forensic Taphonomy) in Research and Investigation Identification of Two Cases in Forensic Medicine Using Unsophisticated Methods in Al-Jouf Desert, Saudi Arabia	A/Prof. Yogesh Kumar Dr. Tareq Aldweehy
0:30 -	ROOM A		• Dr. Dalia Alsaif; • Prof. Jason Payne-	Complex Suicides Involving Drowning: Forensic Perspectives Role of Body Farming (Forensic Taphonomy) in Research and Investigation Identification of Two Cases in Forensic Medicine Using Unsophisticated Methods in Al-Jouf Desert, Saudi Arabia Cardiac tamponade as a pathophysiology of death; case study Rare or Unusual Autopsy Cases: A Series of Medico-legal Curiosities from the	A/Prof. Yogesh Kumar Dr. Tareq Aldweehy Dr. Omar Baadheem
0:30 -	ROOM A		• Dr. Dalia Alsaif; • Prof. Jason Payne-	Complex Suicides Involving Drowning: Forensic Perspectives Role of Body Farming (Forensic Taphonomy) in Research and Investigation Identification of Two Cases in Forensic Medicine Using Unsophisticated Methods in Al-Jouf Desert, Saudi Arabia Cardiac tamponade as a pathophysiology of death; case study Rare or Unusual Autopsy Cases: A Series of Medico-legal Curiosities from the Algerian Forensic Experience Distinguishing injury patterns in pedestrian motor vehicle collisions from fall-from-	A/Prof. Yogesh Kumar Dr. Tareq Aldweehy Dr. Omar Baadheem Prof. Khaled Doubali











AGENDA (DAY 02 - October 29, 2025)

Time	Room	Session Topic	Chairperson	Presentation Titles	Presenters
10:30 - ROOM I				The benefits of automation in DOA sample preparation	• Dr. Zhour Ibrahim
				Quality Management in Toxicology Laboratory	• Dr. Ali Kheyami
				Overview of presumptive and confirmatory drug Testing	• Dr. Nibal Badr
			• Dr. Huda Hussain; • Dr. Farouq Alzahrani; • Prof. Hee-Sun Chung	The Role of Literature in Suicide: A Case Report of a Child Who was Assisted by A Book to Commit Suicide	• Dr. Suha Alfehaid
	ROOM B	TOXICOLOGY		Navigating the Novel Psychoactive Substances (NPS) Epidemic: Challenges in Forensic Toxicology	• Prof. Rania Kaka
				Fatal Acute Ethanol Intoxication: A Case Report	• Dr. Mohammed Mostafa
				Postmortem Identification of Sildenafil in Tissues Following Sexual Drug Overdose: A Case Report	• Dr. Abubakr Haj Omar
				Smart Toxicology Control System (STCS)	• Mr. Muteb Almansour
12:30- 13:30				BREAK DIGITAL POSTER SESSION (4) Introducing Postmortem CT in Saudi Death Investigations: Insights from the First 13	• Dr. Naif Aljohani
		PANEL DISCUSSION	Prof. Michael Thali;	Virtopsy Cases.	· Dr. Nan Aljonam
13:30 – 15:30	ROOM A			Hyoid bone-based sex discrimination among Egyptians using a multidetector computed tomography: discriminant function analysis, meta-analysis, and artificial intelligence.	Prof. Samah Ibrahim
			Almosabahi	Comparing Post-mortem Computed Tomography versus Traditional Autopsy in Detecting Cerebrovascular Accidents (CVAs) as a Cause of Death: A Systematic	• Dr. Maiyada Aldossary











AGENDA (DAY 02 - October 29, 2025)

Time	Room	Session Topic	Chairperson	Presentation Titles	Presenters
13:30 – 15:30				Postmortem Skeletal Muscle Alterations as Forensic Markers: A Histological, Biochemical, and DNA-Based Approach to Estimating Time Since Death	• Prof. Heba Moustafa Shahato
				From DNA to Dignity: Ethical Frameworks for Implementing Forensic Innovations in Middle Eastern Disaster Response	• Prof. Marwa Fawzi
		FORENSIC GENETICS		Plant DNA Barcoding and Nanomaterials as Forensic Tools for Linking Evidence to Crime Scenes	• Dr. Nadiyah Alabdallah
	ROOM B			A comparative analysis of DNA degradation under acid simulation using two different concentrations of acid to estimate post-mortem interval (PMI)	• Ms. Aparna Sajeevan
				Effect of Chemical Fixative preservation of postmortem human tissues on the integrity of STR profiles	• A/Prof. Ahmed Abdelaal
				Forensic Short Tandem Repeats (STRs) Amplification After Gamma Exposure: Toward Radiation-Resilient Human Identification	• Mrs. Jenan Almhaini
				Challenges, Efficacy and Validation of DNA extraction techniques in decomposed tissues: A taphonomy-based study	• A/Prof. Mohammad Ahemad
				Defensive wounds in homicidal deaths caused by sharp weapons	• Dr.Salah A. Almoghannam

16:30







Digital Posters

October 29, 2025

Session 03

10:00 - 10:30











Digital Poster Session 3 10:00 - 10:30 (DAY 02 - October 29, 2025)

Peresenter	Abstrct title
· Ms. Sarah Dafer Alshehri	Determine the Pharmacokinetics (half-life, volume of distribution and clearance) of AMB-FUBINACA in blood samples of rats using GC-MS/MS
· Dr. Afnan Abdulrahman Alharbi	Amphetamine and Chronic Starvation
· Prof. Abdelhamid Mebirik Addou	The Contribution of Forensic Toxicology to the Determination of Cause of Death
· Dr. Abdullah Al-Shammari	Phenethylamine-Induced Fatal Multiorgan Ischemic Injury: A Rare Case Report with Forensic and Toxicological Correlation
· Mrs. Noran Abdu Zailai	Investigating the Interference of Adulterants in EMIT Immunoassay Detection of THC-COOH in Urine Samples
· Dr. Ibraheem Mohammed Attafi	Chemo-profiling analysis of Suicidal Fatalities, Jazan, Saudi Arabia
· Dr. Ali Khrid	Patterns of Opiate-Positive Postmortem Toxicology Cases in 2024: A Retrospective Descriptive Study at the Jeddah Forensic Toxicology Center
· Ms. Rola Mohammed Alhifdhi	Effects of Five Adulterants on THC Detection and Quantification in Urine Samples
· Dr. Omar Oudah Aljohani	Suicide by Self-Administration of Multiple Drugs: Propofol, Lidocaine, and Codeine in an Anesthesiologist – First Case Report in Saudi Arabia
· Ms. Sarah Alsleebi	Forensic Identification of Unknown Human Remains through Skeletal Analysis
· Ms. Maha Qatomah	Fingerprints recovery at the crime scene for a distinguished applied case
· Ms. Jomanah Albishi	OTrace: A Portable USB-Based Toolkit for Live Forensics Investigation in OT Systems







Digital Posters

October 29, 2025

Session 04

12:30 - 01:30











Digital Poster Session 4 12:30 - 01:30 (DAY 02 - October 29, 2025)

Peresenter	Abstrct title
· A/Prof. Asmaa Fady Sharif	Medico-legal evaluation of burn trauma injuries. Epidemiological features and predictors of mortality and other adverse outcomes
• Prof. Galal Eid	A Thorough study of CT scan and meticulous clinical correlation of fractures of lumbar vertebrae ruled out the claim of a recent direct traumatic injury to the back. A Case report.
· Mr. Haif Mohammad Alharbey	Domestic violence and the role of forensic medical services in detecting and reducing it
· Dr. Musleh Samil Reshidi	Awareness of Forensic Medicine Services Staff in Hail with Appropriate Infection Control Practices
· Dr. Hadil Rahal	The Dust Shield with Innovative Saw Designed to Prevent Infectious Diseases and Enhance Proper Forensic Medical Examination Practice
· Ms. Malak Essam Fathi	Al-based Framework for Enhancing Friction Ridge Analysis, Comparison, and Evaluation
· Dr. Nora Abdulaziz Aljalaud	Importance of Artificial Intelligence in Forensic Science: Applications, Challenges and Future Directions
· Ms. Renad Abdullah Alghamdi	Using Postmortem Microbiome to Link Dismembered Human Remains: A Review
· Dr. Ibrahim Abdullah Almutairi	Suicide by sulfuric acid ingestion: A Forensic case report
· Ms. Aljwharah Alqahtani	Radiation Impact on Quality of Fingerprints
· Mrs. Atheer Essam Zarnoogi	Methanol-related postmortem cases in Jeddah, Saudi Arabia
· Dr. Marwan Alkhalifah	Modern Approaches to Age Estimation from the Pubic Symphysis Integrating Morphology, Imaging, and Artificial Intelligence
· Mr. Abdulrahman Salem Al-Harthi	Partial Medical Dissection for Scientific Research Purposes from a Sharia Perspective



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