

**14<sup>TH</sup> HEALTH SCIENCES  
RESEARCH ASSEMBLY (HSRA )  
RESEARCH AWARDS  
MARCH 2, 2023**

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# HSRA Mentorship Award

Iqbal Azam

Assistant Professor

Department of Community Health Sciences

HSRA Committee Member: Uzma Rahim Khan

# RESEARCH GROUP AWARD

**Maternal and Child  
Nutrition group**



# RESEARCH GROUP AWARD

Developmental Origin of  
Health and Disease  
(DOHaD)  
group







# Early Career Researcher Award

Rashna Hoshang Sukhia

Assistant Professor

Department of Surgery

HSRA Committee Member: Waseem Mirza



# Mid career researcher award

Syeda Sadia Fatima

Associate Professor

Department of Biological and Biomedical Sciences

HSRA Committee Member: Nasir Uddin



# Post graduate researcher award

Pirbhat Shams

Fellow

Department of Medicine

HSRA Committee Member: Najeeha Iqbal



# Post graduate researcher award

Taymmia Ejaz

Resident

Department of Medicine

HSRA Committee Member: Najeeha Iqbal





# Graduate researcher award

Sajid Iqbal

PhD Scholar

School of Nursing and Midwifery

HSRA Committee Member: Qamar Riaz



# Outstanding research staff award

Faiza Ali

Research Associate

Department of Surgery

HSRA Committee Member: Nida Zahid



# Outstanding research staff award

Mehreen Adnan

Research Coordinator

Department of Pediatrics and Child Health

HSRA Committee Member: Nida Zahid



# Outstanding research staff award

Mussarat Ashraf

Research Associate

Department of Biological & Biomedical Sciences

HSRA Committee Member: Nida Zahid





# Outstanding research staff award

Aqsa Khalid

Research Specialist

Department of Pediatrics and Child Health

HSRA Committee Member: Uzma Rahim Khan



# Outstanding Dean's clinical research fellow award

Sheza Hassan

Research Associate

Dean's Office

HSRA Committee Member: Uzma Rahim Khan



# Research impact award

Safia Awan

Senior Instructor

Department of Medicine

HSRA Committee Member: Najeeha Iqbal





# Most publication in the year

Sibtain Ahmed

Assistant Professor

Department of Pathology and Laboratory Medicine

HSRA Committee Member: Nosheen Nasir





# Most grant in the year

Imran Nisar

Assistant Professor

Department of Paediatrics and Child Health

HSRA Committee Member: Nosheen Nasir



# Outstanding statistical award

Arjumand Zehra Rizvi

Senior Manager

Center of excellence women and child health

Man of Honor: Syed Iqbal Azam



# Outstanding statistical award

Safia Awan

Senior Instructor

Department of Medicine

Man of Honor: Syed Iqbal Azam





# Outstanding statistical award

Ahmed Raheem

Research Specialist

Department of Emergency Medicine

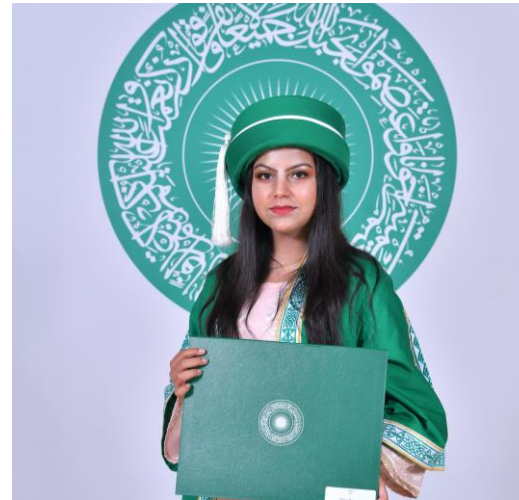
Man of Honor: Syed Iqbal Azam



# Winners



# Winners



# BEST RAPID ORAL PRESENTATIONS

## AIRWAY

1	211	Alternate diagnosis in clinically diagnosed pulmonary tuberculosis patients treated at tertiary care hospital in a high TB burden country	Maham Vaqar	Research Facilitation Office
2	74	Derivation of the physiological Difficult Airway Prediction Score (DAPS) in adults undergoing endotracheal intubation in the emergency department.	Shahan Waheed	Department of Emergency Medicine
3	262	Randomized controlled trial to assess the effectiveness of apnoeic oxygenation in adults using low-flow or high-flow nasal cannula versus usual care to prevent desaturation during endotracheal intubation in the emergency (ApOxED)	Shahan Waheed	Department of Emergency Medicine

# BEST RAPID ORAL PRESENTATIONS CANCER

1	68	Prophylactic Risk Reducing Mastectomy (PRRM): A set practice or catch-22 situation in LMIC. A single-centre prospective cohort study.	Mehwish Mooghal	Department of Surgery
2	52	Early onset colorectal cancer among Pakistani population: results from a hospital cancer registry	Uzma Shamsi	Department of Community Health Sciences

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# BEST RAPID ORAL PRESENTATIONS

## CHILD AND ADOLESCENT HEALTH

1	219	Pharmacist-Directed Vancomycin Therapeutic Drug Monitoring in Pediatric Patients – A Collaborative-Practice Model	Kashif Hussain	Pharmacy
2	100	Clinical Spectrum, treatment and Outcome of Children with Autoimmune Encephalitis: Using modified Rankin Scale score as an Outcome Measure	Mohammad Raza	Department of Pediatrics and Child Health
3	382	Prevalence, causes and predictors of neonatal mortality in Karachi Pakistan findings from a population-based cohort (Alliance for Maternal and Newborn Health Improvement)	Usma Mehmood	Department of Pediatrics and Child Health
4	379	Genomics of Klebsiella Pneumoniae and Escherichia. Coli in pediatric infectious diseases in Pakistan	Asna Sulaiman	Department of Pediatrics and Child Health
5	216	Efficacy of colistin in multidrug resistant neonatal sepsis: experience in a tertiary care center in Karachi, Pakistan	Gul Ambreen	Pharmacy
6	220	Practical approaches to improve vancomycin-related patient outcomes in pediatrics- an alternative strategy when AUC/MIC is not feasible.	Kashif Hussain	Pharmacy
7	125	Pinning in Supracondylar Fracture of the Humerus in Children: A Meta-analysis of Randomized Controlled Trials	Syed Umar Hasan and Alina Pervez	Department of Ophthalmology

# BEST RAPID ORAL PRESENTATIONS

## CRITICAL CARE

1	97	Exploring the use of low field portable Magnetic Resonance Imaging of brain in critically ill or injured children – an exploratory study	Sidra Khan	Department of Pediatrics and Child Health
2	70	Ease of intubation with McGrath videolaryngoscope and incidence of major adverse events during emergent or urgent tracheal intubation in adult COVID-19 patients: A prospective observational study.	Faisal Shamim	Department of Anaesthesiology

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# BEST RAPID ORAL PRESENTATIONS

## CVD

1	3	Role of Button mangrove as a probable blood pressure lowering agent	Hasan Salman Siddiqi	Department of Biological & Biomedical Sciences
2	4	Potentially Cardio-protective needles of Aleppo pine ( <i>Pinus halepensis</i> mill)	Hasan Salman Siddiqi	Department of Biological & Biomedical Sciences
3	193	Quantification and Impact of Incomplete revascularization using Residual Syntax Score in NSTEMI patients after Percutaneous Coronary Intervention	Syed Waqar Ahmed	Department of Medicine

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# BEST RAPID ORAL PRESENTATIONS DENTISTRY

1	88	TITLE: Assessment of Mesiodistal Root Angulation of Teeth by Three Different Radiographs for Ideal Bracket Positioning in Orthodontic Patients - A Cross-sectional Study	Afeefa Abul Barakaat	Department of Surgery
2	309	Treatment of irreversible pulpitis in mature permanent teeth: A cost-effectiveness analysis of pulpotomy versus root canal treatment	Nighat Naved	Department of Surgery
3	72	An ensemble for the detection of periapical pathology and its relation to teeth on Orthopantomograms – A validation study	Niha Adnan	Department of Surgery
4	135	Outcomes of non-surgical periodontal therapy on the periodontal status among e-cigarette smokers, conventional smokers and non-smokers	Shazia Taimoor , Misbah Shams	Department of Surgery



# BEST RAPID ORAL PRESENTATIONS

## ENDOCRINOLOGY

1	104	Diabetes mellitus, maternal adiposity, and insulin-dependent gestational diabetes are associated with COVID-19 in pregnancy: the INTERCOVID study	Ghulam Zainab	Department of Obstetrics and Gynecology
2	111	The Effect of Tirzepatide on Lipid Profile of Patients with Type 2 Diabetes Mellitus: A Systematic Review and Meta-analysis	Salaar Ahmed	Medical College

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# BEST RAPID ORAL PRESENTATIONS EDUCATION

1	279	What motivates clinical faculty to teach medical students?	Maham Vaqar	Research Facilitation Office
2	272	Residents and faculty's experience and satisfaction with Task Oriented Assessment of Clinical Skills (TOACS) in Dental Residency program	Faiza Ali	Department of Surgery

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# BEST RAPID ORAL PRESENTATIONS

## GASTROINTESTINAL

1	221	Determining the Relation of Childhood Sexual Assault with the Development of Irritable Bowel Syndrome Later in Life - A Systematic Review	Muhammad Umer Junaid	Department of Pediatrics and Child Health
2	131	Comparison of intraoperative intravenous lidocaine infusion and Transversus Abdominis Plane (TAP) block for post-operative analgesia following laparoscopic cholecystectomy: A Randomized Control Trial.	Haris Sheikh	Department of Anaesthesiology

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# BEST RAPID ORAL PRESENTATIONS GENETICS

1	44	Identification of IEM in Two Siblings: Using Advanced Metabolomics and Genomics Techniques	Haq Nawaz Khan	Department of Biological & Biomedical Sciences
2	30	Treating hemoglobinopathies by targeted deletion of BCL11A gene using CRISPR-Cas9 technology	Irfan Hussain	Center of Regenerative Medicine and Stem Cell Research
3	38	Building up a genomic surveillance platform for SARS-CoV-2 in the middle of a pandemic-experience from a lower middle-income setting	Samiah Kanwar	Department of Pediatrics and Child Health

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# BEST RAPID ORAL PRESENTATIONS HEALTH SYSTEMS

1

338

READINESS OF EMERGENCY CENTERS OF  
TERTIARY CARE HOSPITALS IN ADDRESSING  
RESPIRATORY INFECTIONS REQUIRING ISOLATION  
IN KARACHI, PAKISTAN

S. Maria Fakhar

Department of Community Health  
Sciences

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# BEST RAPID ORAL PRESENTATIONS

## INFECTIOUS DISEASE

1	246	Serological response using ELISA Anti-Vi-IgG after single dose of Typhoid Conjugate Vaccine against Salmonella Typhi among children in Hyderabad, Pakistan.	Sonia Qureshi	Department of Paediatrics and Child Health
2	329	Environmental surveillance for SARS-CoV-2 in Karachi: Correlating sewage SARS-CoV-2 RNA concentration and reported incidence of COVID-19 from a large urban district	Nadia Ansari	Department of Paediatrics and Child Health
3	82	Differentiating between dengue fever and malaria using the hematological parameters.	Anila Zafar	Department of Pathology and Laboratory Medicine
4	21	SARS-CoV-2 Delta variants were predominant amongst breakthrough infections in BBIBP-CorV vaccinated individuals during 2021	Fridah Mwendwa	Department of Pathology and Laboratory Medicine
5	182	EVALUATION OF HIGH DOSE RIFAMPICIN DAILY IN THE REDUCTION OF TREATMENT DURATION FOR PULMONARY TUBERCULOSIS FROM 6 MONTHS TO 4 MONTHS	Ammarah Muzammil	Department of Medicine
6	103	Incidence and risk factors of HCV in individuals previously screened negative in a high-burden area of district Malir in Karachi	Aliya Hasnain	Department of Medicine
7	105	HCV Elimination from a highly endemic, well-defined demographic area of peri-urban Karachi	Aliya Hasnain	Department of Medicine
8	18	Epidemiology and Demographics of SARS-CoV2 Omicron variant during fifth COVID19 wave in Pakistan	Sayed Ali Raza Bukhari	Department of Pathology and Laboratory Medicine
9	15	Structural Bioinformatics Analysis of the SARS-CoV-2 Spike Glycoprotein Mutations from Strains Prevalent in Pakistan	Umar Bin Adnan	Department of Biological and Biomedical Sciences

# BEST RAPID ORAL PRESENTATIONS INJURY

1	350	Self-Poisoning: an analysis of cases at the National Poisoning Control Center Karachi, Pakistan	Shahina Pirani	Department of Psychiatry
2	372	Association of traumatic brain injury of patients presenting to Emergency Departments with psychological distress of caregivers	Afshan Maqsood	Department of Community Health Sciences

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# BEST RAPID ORAL PRESENTATIONS

## MENTAL HEALTH

1	315	Clinical and Psychosocial Factors associated with Quality of Life in Patients with Head and Neck Cancer: An Analytical Cross-Sectional Study from a Lower-Middle-Income Country	Nida Zahid	Department of Surgery
2	347	Patterns of Suicide and Self-harm in Pakistan: a retrospective descriptive study	Shahina Pirani	Department of Psychiatry

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# BEST RAPID ORAL PRESENTATIONS

## NCD

1	1	Screen Time Usage and Associated Health-Related Lifestyle Factors Among School Going Adolescents in Karachi, Pakistan	Afreen Sadia	Department of Community Health Sciences
2	359	Thirty-year trends of triple burden of disease in the adult population of Pakistan	Salman Muhammad Soomar	Department of Emergency Medicine

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# BEST RAPID ORAL PRESENTATIONS NEUROSCIENCE

1	47	Establishment of brain organoids model for studying early cortical brain development	Jahan Salma	Centre for Regenerative Medicine and Stem Cell Research
2	13	A novel homozygous variant in ZNF142 causes a complex neurodevelopmental disorder with intellectual disability, dystonia and seizures in a consanguineous Pakistani family	Rabab Ibrahim	Department of Biological and Biomedical Sciences

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# BEST RAPID ORAL PRESENTATIONS

## NUTRITION

1	368	Status of dietary adequacy and influence of family structure among pregnant women during first trimester at a tertiary care private hospital in Karachi - a cross-sectional study	Khadija Barkat Ali	Medical College
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# BEST RAPID ORAL PRESENTATIONS

## QUALITY OF CARE

1	287	Safeguarding patient safety via Barcoded Medication Dispensing System – Pakistan's First Barcoded Medication Administration System	Umer Ali Khan	Department of Pharmacy
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# BEST RAPID ORAL PRESENTATIONS

## REPRODUCTIVE HEALTH

1	183	Association of high blood pressure level with adverse pregnancy outcomes	Kheezran Ahmed	Department of Pediatrics and Child Health
2	91	Early recognition and management of maternal sepsis in Pakistan: A feasibility study of the implementation of FAST-M Intervention	Bakhtawar Hanif	Department of Obstetrics and Gynecology
3	226	Comparison of Chemiluminescence Immunoassay (CLIA) with the Microbiological Assay (MBA) to Predict Folic Acid Deficiency in Women of Reproductive Age (WRA)	Junaid Iqbal	Centre of Excellence Women and Child Health
4	399	Healthy families for pakistan through accelerating srhr and fp services, a qualitative baseline assessment	Nimira Asif	School of Nursing and Midwifery
5	284	Midwives' Experiences, Facilitators and Barriers Related to Obstetric Ultrasound in Gilgit Baltistan and Chitral, Pakistan	Rani Nisa	School of Nursing and Midwifery
6	17	Identification of Risk Alleles in Infertile Females with Polycystic Ovary Syndrome: Validation of Genome Wide Association Studies (GWAS) in Pakistani Population	Zainab Hanif Samma	Department of Biological and Biomedical Sciences

# BEST RAPID ORAL PRESENTATIONS TECHNOLOGY

1	269	Exploring the Experiences of Healthcare Professionals Regarding the simulation-Based Training Approach During the Covid 19 Pandemic, at a Tertiary Care Hospital, Karachi, Pakistan: An Exploratory Qualitative Study	Sana Hirani	Department of Medicine
2	302	Effectiveness of Simulation Strategy in improving Confidence, satisfaction level and communication skills of undergraduate nursing students at Community Health Nursing Clinical setting in Pakistan	Yasmin Nadeem Parpio	School of Nursing and Midwifery

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# BEST RAPID ORAL PRESENTATIONS VACCINE

1

326

“Anxiety levels in Pregnant women related to COVID-19 vaccination and its effects on maternal and fetal health, visiting tertiary care hospitals of Karachi – a comparative cross-sectional study”.

Sohail Lakhani

Department of Community  
Health Sciences

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# BEST RAPID ORAL PRESENTATIONS VIOLENCE

1

356

Experiences of healthcare providers regarding  
workplace harassment in Gilgit district, Pakistan

Fatima Shah

Department of Community  
Health Sciences

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<b>Airway</b> Samina Ismail	<b>Cancer 2</b> Muhammad Irfan	<b>JUDGES</b>
<b>Cancer 1</b> Munira Moosajee	<b>Cancer 3</b> Zehra Abdul	
<b>Child and Adolescent Health</b> Novera Chughtai	<b>Child and Adolescent Health 2</b> Laila Ladak	
<b>Critical Care</b> Mohsin Nazir-	<b>Child and Adolescent Health 3</b> Shahzadi Resham	
<b>CVD 1</b> Nosheen Nasir	<b>Critical Care 2</b> Naila Nadeem	
<b>Dentistry 1</b> Wajeeha Zahid	<b>CVD 2</b> Yawer Saeed	
<b>Dentistry 2</b> Naveed Yousuf	<b>Dentistry 3</b> Salima Ali Bhai	
<b>Education</b> Muhammad Shahid Shamim	<b>Endocrinology</b> Azra Rizwan	
<b>Gastrointestinal 1</b> Tashfeen Ahmed	<b>Gastrointestinal 2</b> Rahila Ali Mazhar	
<b>Genetics 1</b> Azhar Hussain	<b>Genetics 2</b> Sibtain Ahmed	
<b>Health Systems</b> Waseem Mirza / Nida Zahid	<b>Infectious Disease 4</b> Shayan Anwar	

**Infectious Disease 1**

Muslima Ejaz

**Infectious Disease 2**

Shaista Afzal

**Infectious Disease 3**

Asim Beg

**Mental Health 1**

Qamar Riaz

**NCD 1**

Ali Zubairi

**Neuroscience 1**

Shelina Bhamani / Nasir Uddin

**Reproductive Health 1**

Nida Najmi

**Reproductive Health 2**

Shazia Masheer

**Vaccine**

Nadeem Siddiqui

**Violence**

Ahsana Nazish

**Infectious Disease 5**

Bilal Ahmed Usmani

**Injury**

Sumia Andleeb Abbasi

**Mental Health 2**

Qamar Riaz

**NCD 2**

Zohra Asif Jetha

**Neuroscience 2**

Sabeen Shah

**Nutrition**

Maryam Huda

**Quality of Care**

Unab Khan

**Reproductive Health 3**

Fareeha Shaikh

**Reproductive Health 4**

Romana Idrees

**Technology**

Zafar Sajjad

JUDGES