

VIRTUAL MEDICAL RESEARCH SYMPOSIUM



MEDICAL RESEARCH
DURING PANDEMIC:
ADAPTING & INNOVATING
IN ADVERSITY

14TH DECEMBER 2021

ABSTRACT BOOK





TABLE OF CONTENTS

Oral Presentation List

Clinical	1
Non-clinical	2

Poster Presentation List

Clinical	3-7
Non-clinical	8-9

Abstracts

Scientific and Reviewers Committee	10
------------------------------------	----

Oral Presentation

Clinical	12-21
Non-clinical	22-29

Poster Presentation

Clinical	31-107
Non-clinical	108-134



ORAL PRESENTATIONS

Clinical

- OC105 THE ASSOCIATION OF ANTHROPOMETRIC CHARACTERISTICS, HORMONAL ALTERATIONS AND OVARIAN VOLUME IN POLYCYSTIC OVARIAN SYNDROME
- OC111 PREVALENCE OF MALNUTRITION AND ITS OUTCOMES IN PATIENTS UNDERGOING ABDOMINAL SURGERY IN TWO TERTIARY HOSPITALS IN PAHANG
- OC119 A COHORT STUDY ON OBSTETRIC OUTCOME OF OBESE PRIMIGRAVIDA WITH SPONTANEOUS ONSET OF LABOUR AT TERM
- OC131 KNOWLEDGE AND PREVENTIVE PRACTICES TOWARDS SEXUALLY TRANSMITTED INFECTIONS (STI) AMONG PATIENTS ATTENDING STI-FRIENDLY CLINIC IN PRIMARY CARE
- OC134 PAEDIATRIC ASTHMA CASE CONTROL STUDY USING TELEMEDICINE: WHAT'S NEW?
- OC138 COMPARISON OF ANAESTHETIC OUTCOMES BETWEEN MIXED AND SEQUENTIAL INTRATHECAL INJECTION OF FENTANYL WITH HYPERBARIC BUPIVACAINE FOR ELECTIVE SURGERY IN IIUMMC
- OC147 PREVALENCE OF DEPRESSIVE SYMPTOMS AND ITS ASSOCIATED FACTORS AMONG ELDERLY IN PRIVATE NURSING HOMES IN KUANTAN
- OC175 EFFECT OF LENS THICKNESS ON FOVEAL FIXATION IN CATARACT PATIENTS MEASURED USING IOL MASTER 700 BIOMETRY
- OC211 BLUNT TRAUMATIC AORTIC INJURY: WORK PROCESS OF MANAGEMENT IN A SECONDARY DISTRICT HOSPITAL
- OC229 THE EFFECT OF POLYURETHANE FILM VERSUS APIS DORSATA HONEY DRESSING FOR WOUND DRESSING FOLLOWING INTERNAL FIXATION OF LONG BONE FRACTURES: A PROSPECTIVE, RANDOMIZED STUDY



ORAL PRESENTATIONS

Non-Clinical

- ONC122 FACTORS ASSOCIATED WITH KNOWLEDGE, ATTITUDE AND PRACTICE TOWARDS E-CIGARETTE USE AMONG MIDDLE AND LATE ADOLESCENT IN KOTA BHARU DISTRICT
- ONC128 THE EFFECTS OF TUALANG HONEY AND ITS SILVER NANOPARTICLES ON HIPPOCAMPAL DAMAGE AND APOPTOSIS IN KAINIC ACID-INDUCED RAT
- ONC136 ESTABLISHING AND VALIDATING 1-METHYL-2-PHENYL-1,2,3,6-TETRAHYDROPYRIDINE (MPTP)-INDUCED ZEBRAFISH MODEL OF PARKINSON'S DISEASE
- ONC162 NORMALIZATION OF SPEECH STIMULI IN TEST SPECIFIC NOISE AND BABBLE NOISE FOR THE PEDIATRIC MALAY MATRIX SENTENCE TEST
- ONC171 EVALUATION OF HISTOLOGIC LOCALIZATION OF TUMOUR-ASSOCIATED MACROPHAGES IN INVASIVE BREAST CARCINOMA AND ITS ASSOCIATION WITH PROGNOSTIC PARAMETERS
- ONC178 ASSOCIATION BETWEEN LRRTM1 GENE DNA METHYLATION AND SCHIZOPHRENIA PSYCHOPATHOLOGY
- ONC199 TUALANG HONEY SUPPLEMENTATION ALLEVIATES OBESITY AND DYSLIPIDAEMIA IN HIGH CHOLESTEROL DIET INDUCED NON-ALCOHOLIC STEATOHEPATITIS ANIMAL MODEL
- ONC207 THE RELATIONSHIP BETWEEN EMOTION REGULATION AND MENTAL WELL-BEING AMONG IIUM STUDENTS DURING COVID-19
- ONC216 PROFILING PHYSIOLOGICAL RESPONSES AND RESPIRATOR FIT OF PUBLIC HEALTH WORKERS: PRE AND POST MOSQUITO CONTROL ACTIVITY



POSTER PRESENTATIONS

Clinical

- PC101 ACUTE INCARCERATION PROLAPSED SOLITARY RECTAL ULCER: A RARE CASE OF ANORECTAL EMERGENCY
- PC102 TREATMENT AND OUTCOME OF GASTROINTESTINAL BLEEDING: AN OBSERVATIONAL MULTICENTRE STUDY IN EAST COAST REGION OF PENINSULAR MALAYSIA
- PC103 DUCTAL ADENOCARCINOMA OF PROSTATE: A RARE VARIANT
- PC104 SKULL METASTASIS IN FOLLICULAR VARIANT OF PAPILLARY THYROID CANCER: A CASE REPORT
- PC106 THE NOMADIC BUG: A CASE REPORT OF SALMONELLA SEPTIC ARTHRITIS OF THE STERNOCLAVICULAR JOINT
- PC107 CASE REPORT: COELIAC ARTERY-GDA ANEURYSM; SUCCESSFUL ENDOVASCULAR COIL EMBOLIZATION
- PC108 KNOWLEDGE, ATTITUDE, AND PRACTICE OF DISASTER MANAGEMENT AMONG HEALTHCARE PROVIDERS
- PC109 THE EFFECTIVENESS OF TABLETOP EXERCISE (TTX) IN IMPROVING KNOWLEDGE AND ATTITUDE OF DISASTER PREPAREDNESS AMONG NURSING STUDENTS IN IIUM KUANTAN
- PC113 VERTEBROBASILAR DOLICHOECTASIA AND VERTEBRAL ARTERY COMPRESSION OF MEDULLA OBLONGATA CAUSING UNSTEADINESS AND INTERMITTENT HEMIPARESIS: CASE SERIES
- PC114 COMPUTED TOMOGRAPHY (CT) IMAGING FEATURES OF PLEOMORPHIC ADENOMA
- PC116 SEVERE STRESS MIMIC HEART DISEASE DURING COVID19 PANDEMIC
- PC118 A REAL-LIFE DATA ON THE EFFICACY OF SOFOSBUVIR AND DACLATASVIR COMBINATION IN KOTA BHARU
- PC121 THE EFFECT OF STRUCTURED PHYSICAL ACTIVITY DURING PREGNANCY ON MATERNAL HEALTH AND FETAL OUTCOMES: A SYSTEMATIC REVIEW
- PC123 KNOWLEDGE OF NURSERY AND KINDERGARTEN CAREGIVERS ON GROWTH AND DEVELOPMENTAL ASSESSMENT
- PC124 PREVALENCE OF LONELINESS AND ITS ASSOCIATED FACTORS AMONG ELDERLY ATTENDING PRIMARY HEALTH CLINICS IN KUANTAN, PAHANG
- PC125 PREVALENCE OF FEMALE SEXUAL DYSFUNCTION AND ITS ASSOCIATED FACTORS AMONG TYPE 2 DIABETES MELLITUS PATIENTS IN KUANTAN, PAHANG



- PC126 A SIX YEARS REVIEW OF PLACENTA ACCRETA SPECTRUM DISORDER IN A TERTIARY REFERRAL HOSPITAL
- PC127 ACUTE PORTO-SPLENO-MESENERIC VEIN THROMBOSIS WITH PNEUMATOSIS INTESTINALIS AFTER CHADOX1 NCOV-19 (ASTRAZENECA) VACCINATION: A CASE REPORT OF SUCCESSFUL TREATMENT AND IMAGING FINDINGS
- PC129 A COMPARISON OF THE EFFICACY AND SAFETY OF FASCIA ILIACA BLOCK AS AN ADJUNCT TO PCA MORPHINE FOR POSTOPERATIVE ANALGESIA IN UNILATERAL TOTAL HIP ARTHROPLASTY IN HOSPITAL KUALA LUMPUR
- PC133 MONOCYTE DISTRIBUTION WIDTH (MDW) IN DETECTION OF SEPSIS IN CRITICALLY ILL PATIENTS
- PC135 PAEDIATRIC COVID-19 IN A TEACHING HOSPITAL IN MALAYSIA: A SINGLE CENTRE EXPERIENCE
- PC137 FACTORS ASSOCIATED WITH PAIN-RELATED DISABILITY AMONG CHRONIC PAIN PATIENTS
- PC139 INFLAMMATORY MYOFIBROBLASTIC TUMOUR: A RARE CHILDHOOD MEDIASTINAL TUMOUR
- PC141 ADRENAL CAVERNOUS HEMANGIOMA WITH INFRARENAL ABDOMINAL AORTIC ANEURYSM: A RARE INCIDENTAL FINDINGS FROM A ROUTINE ULTRASOUND ASSESSMENT
- PC143 HEMATIDROSIS AND HEMOLACRIA: A RARE CASE OF BLOODY SWEAT AND TEARS
- PC144 ATYPICAL TERATOID RHABDOID TUMOUR OF THIRD VENTRICLE: A RARE INFANTILE BRAIN TUMOUR AT A VERY RARE LOCATION
- PC148 DIABETIC KIDNEY DISEASE AND ITS ASSOCIATED FACTORS AMONG PATIENTS IN A SELECTED PRIMARY CARE CLINIC IN PAHANG
- PC149 MANAGEMENT OF HEPATOCELLULAR CARCINOMA ACCORDING TO BARCELONA CLINIC LIVER CANCER CLASSIFICATION (BCLC): THE EXPERIENCE OF A PAHANG TERTIARY CENTRE
- PC150 COLD AGGLUTININS: SPURIOUS EFFECTS ON FULL BLOOD COUNT PARAMETERS
- PC151 FACTORS ASSOCIATED WITH INCOMPLETE COLONOSCOPY IN SYMPTOMATIC ELDERLY PATIENTS
- PC152 RARE BLADDER CANCER PATHOLOGY. AN UNFORTUNATE EVENT TO PONDER UPON
- PC153 AUDIT ON WAITING TIME IN A TEACHING PRIMARY CARE CENTRE



- PC154 EMBOLIZATION OF A HAEMORRHAGING IATROGENIC INTERCOSTAL ARTERY PSEUDOANEURYSM WITH MASSIVE HAEMOTHORAX FOLLOWING A ROUTINE CHEST TUBE INSERTION
- PC156 SCREENING AND KNOWLEDGE OF MAMMOGRAPHY IN BALOK, KUANTAN
- PC160 EXTRAMAMMARY PAGETS DISEASE OF SCROTUM: A RARE ENCOUNTER LESION
- PC161 THE IMPACTS OF MOTIVATION ON VISION REHABILITATION OUTCOMES AMONG PATIENTS WITH HOMONYMOUS VISUAL FIELD DEFECT FOLLOWING ACQUIRED BRAIN INJURY
- PC163 FEEDING PROFILE OF INFANT AND YOUNG CHILDREN WITH STUNTING IN KUANTAN, PAHANG
- PC164 PRIMARY DELAYED ANASTOMOSES OF A LONG GAP ESOPHAGEAL ATRESIA IN NEONATE IN KUANTAN, PAHANG, MALAYSIA
- PC165 PREVALENCE OF ERECTILE DYSFUNCTION AND ITS ASSOCIATED FACTORS AMONG MEN IN GOVERNMENT HEALTH CLINICS IN KUANTAN, PAHANG
- PC167 MRI APPEARANCE OF EWING SARCOMA OF BONE WITH METASTASIS IN TODDLER: A CASE REPORT
- PC173 ADULT MOYAMOYA SYNDROME AS A MANIFESTATION OF VARICELLA-ASSOCIATED CEREBRAL VASCULOPATHY: A CASE REPORT
- PC176 UNILATERAL ISCHEMIC CENTRAL RETINAL VEIN OCCLUSION IN A YOUNG HEALTHY ADULT: A CASE REPORT
- PC177 UNILATERAL BRANCH RETINAL ARTERY OCCLUSION DUE TO INTERNAL CAROTID ARTERY OCCLUSIVE DISEASE IN A YOUNG ADULT: A CASE REPORT
- PC182 OUTCOME OF VENOGRAM IN A HAEMODIALYSIS PATIENT: A TERTIARY VASCULAR CENTRE EXPERIENCE
- PC183 PREVALENCE OF URINARY INCONTINENCE AND ITS ASSOCIATED FACTORS AMONG ELDERLY IN PRIMARY HEALTH CLINICS IN KUANTAN, PAHANG
- PC184 CUPPING THERAPY: A MISADVENTURE
- PC185 EFFECT OF ELECTIVE DAY CARE CANCELLATION IN TERTIARY VASCULAR
- PC186 TELEMEDICINE IN THE MANAGEMENT OF OUTPATIENT CLINIC - EXPERIENCE IN VASCULAR TERTIARY CENTRE DURING COVID 19 PANDEMIC
- PC190 SOCIODEMOGRAPHIC PROFILE OF PRESCHOOL CHILDREN WITH SCREEN MEDIA DEPENDENCY IN URBAN AREA



- PC192 GANGRENOUS CHOLECYSTITIS: SEVERE COMPLICATION OF CHOLECYSTITIS FREQUENTLY FOUND DURING COVID-19 PANDEMIC. A CASE SERIES
- PC193 CLINICAL AUDIT ON TYPE 2 DIABETES MELLITUS PATIENTS IN A TEACHING PRIMARY CARE CLINIC IN KUANTAN, PAHANG
- PC195 A DISASTROUS COMPLICATION OF COLONEPHROCUTANEOUS FISTULA: BRAIN ABSCESS
- PC196 CHALLENGE IN PREOPERATIVE DIAGNOSIS OF PHYLLODES TUMOR OF BREAST: CASE SERIES
- PC197 RAMBUTAN RELATED OCULAR TRAUMA
- PC198 PREVALENCE OF BURNOUT AND ITS ASSOCIATED FACTORS AMONG HEALTHCARE PROVIDERS IN GOVERNMENT HEALTH CLINIC IN KUANTAN, PAHANG DURING COVID 19 PANDEMIC
- PC200 PHYSICAL THERAPY TREATMENTS FOR CHILDREN WITH ERB'S PALSY - VIEWS FROM THE PHYSICAL THERAPISTS IN MALAYSIA
- PC203 CASE REPORT: ELEVATED BETA HUMAN CHORIONIC GONADOTROPHIN: DOCTOR, AM I PREGNANT?
- PC204 ROLE OF SURGERY IN ASYMPTOMATIC EXTRACRANIAL CAROTID ARTERY STENOSIS
- PC205 MANAGEMENT OF IATROGENIC PSEUDOANEURYSMS: HOW WE DO IT
- PC208 REVIEW OF MANAGEMENT OF PSEUDOANEURYSM IN A TERTIARY CENTRE
- PC209 RARE OCCURRENCE OF ISOLATED ESCHERICHIA COLI PANOPHTHALMITIS: A CASE REPORT
- PC212 REVIEW OF ACUTE LIMB ISCHAEMIA TREATED WITH FEMORAL ARTERY EMBOLECTOMY AT SULTAN AHMAD SHAH MEDICAL CENTRE
- PC213 COLONOSCOPY IN THE ELDERLY SYMPTOMATIC PATIENTS: IT IS SAFE AND HIGH YIELD
- PC215 INADVERTENT CAROTID ARTERY INJURY DUE TO CENTRAL VENOUS LINE CATHETERIZATION
- PC217 A TECHNICAL NOTE ON THE MEDIAL FLAP OF THE FOOT: AN ALTERNATIVE FOR SOFT TISSUE COVERAGE POST TRANSMETATARSAL AMPUTATION
- PC218 HEEL RECONSTRUCTION WITH FREE OSSEOFASCIOCUTANEOUS FLAP OF DEEP CIRCUMFLEX ILIAC ARTERY: A REPORT OF TWO CASES
- PC220 BOWEL ISCHAEMIA IN POST COVID 19 INFECTION



- PC221 YOUNG BREAST CANCER; A 4-YEAR REVIEW OF CLINICO-PATHOLOGICAL DATA FROM SULTAN AHMAD SHAH MEDICAL CENTRE @IIUM, KUANTAN, PAHANG
- PC222 DIABETES CONTROL AND ITS RELATED FACTORS AMONG ELDERLY DIABETIC PATIENTS IN KUANTAN
- PC223 HORMONAL AND HER2 EXPRESSION OF BREAST CANCER CASES IN SULTAN AHMAD SHAH MEDICAL CENTRE @IIUM, PAHANG
- PC225 THE IMPACT OF COVID-19 LOCKDOWN ON GLYCEMIC CONTROL AND LIFESTYLE CHANGES IN CHILDREN AND ADOLESCENT WITH TYPE 1 DIABETES MELLITUS: A SYSTEMATIC REVIEW
- PC226 DELAY PRESENTATION OF BREAST CANCER IN SULTAN AHMAD SHAH MEDICAL CENTRE @ IIUM, PAHANG, MALAYSIA
- PC230 DOES BLURRING OF VISION AFFECT THE OUTCOMES OF VISUAL SEARCH TRAINING IN PATIENT WITH HEMIANOPIA? EVIDENCE FROM A CASE STUDY
- PC232 PREVALENCE OF DEPRESSION AMONG PSORIASIS PATIENTS IN KUANTAN AND ITS ASSOCIATED FACTORS
- PC234 EVALUATION OF PERIOPERATIVE BLOOD LOSS IN TUMOUR-RELATED INTERNAL HEMIPELVECTOMY
- PC235 SIMULTANEOUS PSEUDOANEURYSM OF FEMORAL ARTERY WITH ARTERIOVENOUS FISTULA FOLLOWING FEMORAL CATHETER PLACEMENT
- PC236 A QUALITATIVE SYSTEMATIC REVIEW OF HEALTHCARE PRACTITIONERS' EXPERIENCE OF WORKPLACE VIOLENCE
- PC237 PSYCHOLOGICAL DISTRESS AMONG IIUM PHARMACY STUDENTS



POSTER PRESENTATIONS

Non-Clinical

- PNC112 MALAY IOWA INFANT FEEDING ATTITUDE SCALE (IIFAS-M): VALIDITY AND RELIABILITY AMONG MOTHERS WITH INFANTS IN MALAYSIA
- PNC115 A QUALITATIVE STUDY ON FEEDBACK PROVIDED BY STUDENTS REGARDING MEMORABLE PROBLEM-BASED LEARNING (PBL) EXPERIENCE
- PNC117 THE EFFECTS OF TUALANG HONEY ON SPERM PROFILE AND FOLLICULAR-STIMULATING HORMONE IN HIGH CHOLESTEROL DIET INDUCED ANIMAL MODEL
- PNC120 DECREASE IN LIVER ENZYMES ACTIVITIES AND LIVER TOXICITY OF CHRONIC LOW DOSE MONOSODIUM METHYLARSONATE (MSMA) IN THE RAT ANIMAL MODEL
- PNC130 THE MIRNAS EXPRESSION PROFILE IN ACUTE MYOCARDIAL INFARCTION OF YOUNG ADULTS
- PNC132 BURNOUT LEVEL AND ITS ASSOCIATED FACTORS AMONG NURSES IN CRITICAL CARE AREA
- PNC140 ROAD CONSTRUCTION WORKERS' SAFETY PERFORMANCE AS A RISK FACTOR FOR WORKPLACE ACCIDENTS IN DEVELOPING COUNTRIES: A SYSTEMATIC REVIEW
- PNC142 KNOWLEDGE, ATTITUDE AND PRACTICE TOWARDS DENGUE FEVER AMONG B40 PERCENT GROUP IN HULU LANGAT DISTRICT, SELANGOR
- PNC145 RESILIENCE AMONG IUM KUANTAN STUDENTS
- PNC146 PERCEIVED LEVEL OF STRESS AMONG IUM KUANTAN STUDENTS DURING THE PANDEMIC COVID-19
- PNC155 THE IMPACT OF SPOUSAL SUPPORT ON MENTAL AND MATERNAL HEALTH CARE OF POSTPARTUM PATIENTS IN GOMBAK DISTRICT
- PNC157 THE EFFECT OF TRANSIENT RECEPTOR POTENTIAL VANILLOID 4 (TRPV4) LIGANDS ON FATTY ACID-BINDING PROTEIN 4 (FABP4) ADIPOCYTES SIGNALLING IN DIFFERENT DURATION OF DIFFERENTIATION
- PNC166 IN VIVO STUDIES OF LEPIDIUM MEYENII OR MACA IN ANIMAL MODELS OF DIABETES MELLITUS AND METABOLIC SYNDROME
- PNC168 THE EFFICACY OF ANTIOXIDANTS SUPPLEMENT ON SPERM QUALITY IN MEN WITH OLIGOSTHENOTERATOZOOSPERMIA (OAT) AT REPRODUCTIVE MEDICINE UNIT, HOSPITAL TUNKU AZIZAH KUALA LUMPUR



- PNC169 EFFECTS OF VITAMIN A ON DIACYLGLYCEROL ACYLTRANSFERASE2 (DGAT2) GENE EXPRESSION IN HIGH CHOLESTEROL DIET-INDUCED STEATOSIS RAT
- PNC170 RECOGNITION OF DANGER SIGNS IN CHILDREN UNDER 5 AND IT'S ASSOCIATED FACTORS AMONG CAREGIVERS IN PAHANG
- PNC174 UNDERGRADUATE PAEDIATRIC CLINICAL TEACHING: DOES COVID-19 PANDEMIC AFFECT THE OUTCOME?
- PNC181 AN EXPERIMENTAL MODEL OF INDUCTION OF OSTEOARTHRITIS IN NEW ZEALAND WHITE RABBIT
- PNC187 THE ROLE OF DRD4 DNA METHYLATION IN SCHIZOPHRENIA
- PNC188 MENTAL HEALTH STATUS AND PSYCHOSOCIAL JOB DETERMINANT AMONG EMPLOYEES IN A MALAYSIAN HIGHER INSTITUTION DURING THE COVID-19 PANDEMIC
- PNC191 CHRONIC POST-PARTUM CHANGES OF MESENTERIC ARTERIES IN $\text{N}\Omega$ -NITRO-L-ARGININE METHYL ESTER HYDROCHLORIDE (L-NAME)- INDUCED HYPERTENSION IN PREGNANT RATS MODEL
- PNC201 EFFECT OF MAHKOTA DEWA FRUIT EXTRACT ON KIDNEY FUNCTIONS IN MICE
- PNC214 CHRONIC EXPOSURE OF LOW-DOSE ORGANIC ARSENIC INDUCED OXIDATIVE STRESS INJURY ON THE RATS KIDNEY
- PNC219 RISK OF COLORECTAL CANCER DUE TO STREPTOCOCCUS GALLOLYTICUS: A SYSTEMATIC REVIEW
- PNC227 FACTORS INFLUENCING LEARNING AND WELLBEING AMONG MEDICAL STUDENTS DURING COVID-19 PANDEMIC: PRELIMINARY FINDINGS FROM KUANTAN
- PNC233 THE INFLUENCE OF PAMIDRONATE ON BIOENGINEERED HYDROXYAPATITE (HA) SCAFFOLD INCORPORATED WITH VEGF AND BMP-2 IN VITRO
- PNC238 EFFECT OF CLIMATE VARIABILITY ON DENGUE CASES IN PAHANG





SCIENTIFIC AND ABSTRACT REVIEW COMMITTEE

HEAD

Asst. Prof. Dr. Ahmad Faizal Othman

MEMBERS

Assoc. Prof. Dr. Mohd Nazli Kamarulzaman

REVIEWERS

Prof. Dr. Nazri Mohd Yusof

Prof. Dr. Mohammed Imad A. Mustafa Mahmud

Prof. Dr. Md. Abdus Salam

Prof. Dato' Dr. Mohd Basri Mat Nor

Assoc. Prof. Dr. Razman Mohd Rus

Assoc. Prof. Dr. Nik Nur Fatnoon Nik Ahmad

Assoc. Prof. Dr. Junaini Kasian

Assoc. Prof. Dr. Zamzil Amin Asha'Ari

Assoc. Prof. Dr. Mohd Azam Mohd Yusoff

Assoc. Prof. Dr. Siti Kamariah Che Mohamed

Assoc. Prof. Dato' Dr. Ahmad Fadzil Abdullah

Assoc. Prof. Dr. Nor Azam Kamaruzaman

Assoc. Prof. Dr. Mat Salleh Sarif

Assoc. Prof. Dr. Islah Munjih Ab. Rashid

Asst. Prof. Dr. Ali Sabri Radeef Al-Ani

Asst. Prof. Dr. Ahmad Nurfahmi Akhtar Ali

Asst. Prof. Dr. Karimah Hanim Abd Aziz

Asst. Prof. Dr. Wael Mohamed Yousef Mohamed

Asst. Prof. Dr. Zunariah Buyong

Asst. Prof. Dr. Asmah Hanim Hamdan

Asst. Prof. Dr. Mohd Nizamuddin Ismail

Asst. Prof. Dr. Nurjasmine Aida Jamani

Asst. Prof. Dr. Akmal Azim Ahmad Alwi

Asst. Prof. Dr. Faisal Elagili

Asst. Prof. Dr. Azrin Waheedy Ahmad

Asst. Prof. Dr. Noor Ezmas Mahno

Asst. Prof. Dr. Norhafiza Ab. Rahman





ABSTRACTS

POSTER PRESENTATIONS



PNC188

**MENTAL HEALTH STATUS AND PSYCHOSOCIAL JOB DETERMINANT AMONG
EMPLOYEES IN A MALAYSIAN HIGHER INSTITUTION DURING THE COVID-19
PANDEMIC**

Muhamad Faiz Aiman Mohd Rawi¹, Muhamad Azlan Ezuan Razali¹, Mohamad Luqman Sabarani¹ and Muhammad Zubir Yusof¹

¹*Department of Community Medicine, Kulliyah of Medicine, International Islamic University Malaysia, Kuantan, Pahang, Malaysia*

Introduction: Workplace mental health is becoming significant in higher education. Employment is one of the factors that can impair an employee's mental health, restricting their capacity to function well. This study aimed to assess mental health status among employees in a higher institution in Kuantan and its association with sociodemographic and job characteristics. **Materials and Methods:** An online survey was conducted using a random email list. The employees were given the validated Malay versions of the DASS-21 and the Job Content Questionnaire. **Results:** Depression, anxiety, and stress were prevalent in 26.5%, 36.2% and 21.3% of these workers, respectively. Individuals who lived alone during the Covid-19 movement control order reported having stress symptoms (57.1%, $p=0.04$). Job insecurity was associated with anxiety (95% CI = 1.4, 11.71, $p = 0.01$) while lack of supervisor support showed higher risk of depression (AOR=7.4, 95% CI = 1.99, 27.5, $p=0.003$), anxiety (AOR=4.7, 95% CI = 1.15, 13.69, $p=0.03$), and stress (AOR=9.3, 95% CI = 2.09, 41.84, $p=0.003$). **Conclusion:** Our research concluded that this group of employees frequently reported depression, anxiety, and stress. The results also highlight the need for better support and job security from higher authorities.





ACKNOWLEDGEMENT

Medical Research Symposium 2021, International Islamic University Malaysia would like to express deepest appreciation to all those who provided the possibility to complete this symposium.

