



IPMHE 2021-22

INDO PACIFIC MILITARY HEALTH EXCHANGE

“MILITARY HEALTHCARE IN A VOLATILE, UNCERTAIN, COMPLEX & AMBIGUOUS (VUCA) WORLD”

MARCH 07-10, 2022 | NEW DELHI, INDIA



SCIENTIFIC PROGRAMME – IPMHE 2021-22

Time		07 March 2022 INAUGURAL SESSION (MAIN HALL A)
		Event
0900	0902	e- Lamp lighting by Shri Rajnath Singh, Hon’ble Defence Minister
0902	0905	Saraswati Vandana by Students of College of Nursing
0905	0910	Welcome Address by Surg VAdm Rajat Datta, AVSM, SM, VSM, PHS Director General Armed Forces Medical Services
0910	0915	Address by RDML Pamela Miller, Command Surgeon US INDOPACOM
0915	0925	Address by Shri Rajnath Singh, Hon’ble Defence Minister of India
0925	0930	e-Release of proceedings of the conference by (DGAFMS & Command Surgeon US INDOPACOM)
0930	1000	Keynote Address: Dr Soumya Swaminathan, Chief Scientist WHO “ Global Health Challenges & Role of Leadership in a VUCA World”
1000	1020	Guest Lecture : Surg VAdm Rajat Datta, AVSM, SM, VSM, PHS & DGAFMS “Planning Medical Response to Biological Disasters in a VUCA World”
1020	1040	Guest Lecture : Maj Gen Paul Friedrichs “Military Healthcare in a VUCA World”

Time		07 March 2022 (Day-1) THEME: OPERATIONAL & COMBAT MEDICAL CARE				
1100	1130	Tea Break				
		HALL A Tropical & Environmental	HALL B Field Surgery and Medicine	HALL C Field Anaesthesia and Diagnostics	HALL D Aviation & Marine Emergencies	HALL E Medical, Nursing and

1130	1200	Environmental emergencies and system for information exchange Col Rajneesh Joshi (India)	Intricacies of handling Neuro-trauma in a Combat Scenario Brig Maneet Gill, VSM (India)	Challenges of infection control in field anaesthesia setting Col Nikahat Jahan (India)	Dynamics and Ergonomics of Ejection related injuries Gp Capt P Biswal (India)	Innovations & Technology in managing critical malaria & dengue in resource constrained desert terrain Sqn Ldr VS Srikant (India)	
1200	1230	Cold injuries & ECC Stress Lt Col Srinivasa Bhattachar (India)	Military and Civilian Trauma Systems Integration :Continued Framework Development CPT Michael Baird (USA)	Anaesthetic challenges in a VUCA environment Air Cmde Aditya Sapra (India)	Nuances and Medico-legal aspects of Air crash investigation Gp Capt Piush Renjhen (India)	Infection prevention and wound care during disaster Gp Capt M Murali (India)	
1230	1300	Adapting a Novel Strategy to Curtail Spread of Dengue in a Military Community Sqn Ldr Nilu Himali Mendis (Sri Lanka)	Amputations & Missile injuries with Bleeding control in Combat Brig Sanjay K Maurya (India)	Role of NIV in high altitude Field setting Air Cmde Sachin S Shouche (India)	Effects of G force on pilot performance and endurance Air Cmde Anupam Aggarwal VSM (India)	Transfusion Support in Disaster Col S Venkatesan (India)	
1300	1330	Spectrum and demographics of Vector Borne Diseases-Armed Forces Medical Services(AFMS) perspective Col Vani Suryam (India)	Limb Salvage in combat polytrauma. Brig Biju Varghese, VSM (India)	Risk and safety concerns in field anaesthesia Lt Col Saurabh Khurana (India)	Medical Contingency Planning for Management of Radiation Casualties at Hospital Surg Capt Vishal Kansal (India)	Medical Ethics–A patient centric approach LTC Rachel Sullivan (USA)	
1330	1430	LUNCH BREAK					
1430	1500	Prophylactic measures to control tropical diseases-chemoprophylaxis and vaccination strategies Surg Capt R Thergaonkar (India)	Tick-borne Disease Risk Assessment for DOD Force Health Protection LCDR Dunford (USA)	Role of imaging in a field setting Brig Mandeep Saini (India)	Evacuation at sea and role of medic on board Surg Capt P Gokulakrishnan (India)	Mock Disaster Victim Identification Exercise Leveraging Dental Records Brig B Jayan (India)	
1500	1530	Evaluation of Pesticide-infused Barrier Screen for Localized Reduction of Mosquitoes in Deployed Settings LT Adam Salyer (USA)	The changes in malaria epidemiology as we approach malaria elimination: identification of P.cynomolgi and P.knowlesi in human host CAPT John Grisenbeck/Dr Michele Spring (USA)	Lab-in-a-Bag Dr. Michael Muyot (USA)	Logistics for large scale rescue ops Surg Cdr Kaushik Roy (India)	Research in Nursing Field & Ethical issues Lt Col Shila Samuel (India)	
1530	1600	Effects of Inhaled Biological & Chemical Particle Mixture on Lung Surfactant Function: Linkage to Adverse Health Effects in Military Environment Dr. Saber Hussain (USA)	Surgical Challenges on board USNS Mercy- lessons learnt in operating at Sea. Brig Shashivadhanan S (India)	Development of point-of-care diagnostics to meet the anticipated challenges in the care of febrile patients under prolonged field care conditions LTC Mariusz Wojnarski (USA)	Patient transport units (PTU) during case vac by air. Sqn Ldr Subhashish Patnaik (India)	Mental health challenges in Disaster Col Rajiv Saini (India)	

Time		08 March 2021 (Day-2) THEME : GLOBAL HEALTH SECURITY CHALLENGES - COVID-19 LESSONS LEARNT (PLENARY SESSION-- MAIN HALL A)				
0900	0940	Invited Guest Lecture : Dr Randeep Guleria Director, AIIMS – Challenges in dealing with a dynamic & mutating COVID - 19 Pandemic				
0940	1020	COL (Ret.) Nelson Michael MD,PhD, Dir CIDR – Something Old and Something New-The Covid 19 Vaccine Response				
1020	1100	Debate : Evidence Based Medicine Vs Smart bedside medicine in dealing with Covid 19 Brig AS Menon Vs Brig Rajat Shukla Moderator – Air Cmde S Shankar (LIVE DEBATE)				
1100	1130	TEA BREAK (FOLLOWED BY BREAK OUT SESIONS)				
		HALL A COVID-19 Medical Challenges	HALL B COVID 19 Surgical Challenges	HALL C COVID 19 Anaesthetic and Lab Challenges	HALL D COVID 19:Operational and Strategic Considerations	HALL E Evolving COVID-19 Challenges
1130	1200	Clinical spectrum and Diagnostic dilemmas in COVID 19 Brig Ranjith Nair (India)	Surgical Dilemma in COVID Era, Pre-op and intra-op challenges Brig KJ Singh (India)	Anaesthetic challenges & Ventilatory strategies in COVID-19 Lt Col Shalendra Singh (India)	Impact of COVID-19 on Military Operations and Readiness: mitigation practice and lessons learned Surg Cmde V Hande, VSM (India)	Mathematical Modelling & future predictions in pandemic Air Cmde S Shankar (India)
1200	1230	SARS.CoV-2 outbreak dynamics at a United States Marine recruit training facility: An observational, phylogenetic cohort study CDR Andrew Letizia (USA)	Post COVID 19 condition among a cohort of US Navy and Marine Corps active duty population Mr Nicholas Seliga (USA)	Challenges in Lab Diagnosis of Covid 19 Surg Cdr Ruby Chattopadhyay (India)	Public Health Challenges in dealing with Covid 19 Brig VK Bhatti (India)	Strategic Public health communication to maximize accurate vaccine information in a forward-deployed setting CDR Nekhonti Adams (USA)
1230	1300	Cytokine storm & Thrombotic complications in COVID 19 Brig Sanjeevan Sharma (India)	Asymptomatic Screening for COVID-19: Why Antigen Testing Should be Preferred Over PCR Dr. Ross Mullinax (USA)	Nursing in combating covid 19 in OT complex of MH Lt Col Arti Basu (India)	Sars-Cov-2 Breakthrough infection and its implications on Booster Vaccination Strategies for the Military Dr. John Mark Velasco (USA)	Long-Term mental health sequelae of COVID 19 Surg Capt RR Pisharody (India)
1300	1330	Managing Second wave of COVID-19 at a Tertiary Care Centre Brig J Muthukrishnan, SM, VSM (India)	Demystifying Post Covid Mucormycosis: maxillofacial perspective Brig I D Roy (India)	Multi-omics Identification of Plasma Markers in SARS-Cov-2 Infected Patients Reveals Prognostic Opportunities to Improve Care for the Warfighter LCDR Robert Hontz (USA)	Modelling for U.S Navy COVID-19 Policy Development and Decision-Making CDR Edward Hurd Presenters : Dr Rockswold / Dr Anderson (USA)	Infodemics in a Pandemic Brig Rakesh Datta (India)
1330	1430	LUNCH BREAK				

1430	1500	Challenges and lessons learnt in managing COVID-19 in Armed Forces Medical Services (AFMS) Col S Ghosh (India)	BBT 059 Promising Radiation countermeasure to protect military personnel in potentially contaminated field. Dr Sanchita P Ghosh (USA)	Role of Medical Corps in prevention and control of COVID 19 pandemic in Col Zaw Myo Han (Myanmar)	WPS and GHE – a vital partnership for DoD Security Cooperation CAPT Carolyn Currie (USA)	Repurposing of late-stage and United State Food and Drug Administration (U.S. FDA)- approved drugs as part of an integrated layered defence to bridge the gap between threat identification and targeted countermeasures Dr. Janice Duy (USA)
1500	1530	Outbreak of SARS CoV-2 on a highly vaccinated US Navy Ship after a Port visit – Reykjavik, Iceland CAPT Tammy Servies (USA)	Decreasing Vector-borne Rickettsial Workshop Global Health Engagement, during COVID-19 in Vietnam Jodi Fiorenzano (USA) LT	Women in Disarmament, Non-Proliferation and Arms Control: It Takes a Village LTC Dana Perkins (USA)	Global Health Engagement at Home Station: Global Health Security Development with U.S. Army Public Health Activity Japan and Japan Self Defence Forces CPT Adrienne Barrett (USA)	A Concepts Analysis on capabilities and Responses of the Armed Forces of the Philippines During Pandemic: Evolving Security Direction” Col Ma Dolores Lim (Philippines)
1530	1600	COVID-19 Vaccine Effectiveness in United States Navy and Marine Corps Active Duty Populations Mr. Nicholas Seliga (USA)	Sero-Epidemiological survey of COVID 19 infections amongst US Navy and Marine Corps active duty members in Asia pacific region. LCDR Robert Hontz (USA)	The Lessons learned on the operation of the disaster the premier military hospital during the height of COVID-19 pandemic LT COL Mohammad Azlan Ariffin (Malaysia)	The Importance of One Health and Veterinary Medicine in Cooperative Military Exercises CPT Patrick Mcfadden (USA)	Video live-streaming capabilities enhance tele ophthalmology visits using the eye smart electronic medical record MAJ Nathan Jordan and Co Author (USA)
1600	1630	Preservation of International surgical Readiness Missions in the COVID-19 Pandemic LTC Andrew Medendorp (USA)	The Impact of High Oxygen Levels on Cerebral Perfusion & Cognitive Performance Dr. Ryan Mayes (USA)	The Long-Term Relationship Between Service and Sexually Transmitted Diseases COL Eric Garges (USA)	Coordination between field and headquarters in VUCA environment Lt Col Shikha Tyagi (India)	The lessons learned on the operations of the disaster management zone (DMZ) at the premier military hospital during the height of COVID-19 pandemics Lt Col Mohamad Azian Ariffin

Time		09 March 2022 (Day-3) THEME : HADR AND MILITARY DISASTER DRILL (PLENARY SESSION – MAIN HALL A)
0900	0940	Invited Guest Lecture: Dr V K Paul – Leveraging medical research and innovations to deal with a VUCA world
0940	1020	Invited Talk : Colonel E Erickson: Military Health System- Ready to respond in an ever changing world
1020	1100	Panel Discussion –Service specific challenges in Medical Response to Disasters and VUCA – Exploring role of integrated Medical response teams Indian Panell : Maj Gen Arindam Chatterjee, VSM, Surg R Adm CS Naidu, VSM , AVM R Vaidya,VSM & US Panel : RDML Pamela Miller, MG Michael Place Moderated by : Surg R Adm S Shankarnarayan (LIVE DISCUSSION)
1100	1130	TEA BREAK (FOLLOWED BY BREAKOUT SESSIONS)

		HALL A NBC Response	HALL B Civil Military Co- Operation	HALL C Land & Sea patient Recovery	HALL D Peace Keeping Ops (PKO)	HALL E Nursing Support in HADR
1130	1200	Development of a partial body irradiation marine model to evaluate efficacy of medical countermeasures Dr. Vidya Kumar (USA)	RSPAD Gatot Soebroto Central Army Hospital Experience in handling COVID-19 Pandemic by strengthening Military and Civilian Multi sector Cooperation Col Rusdi Yansyah (Indonesia)	Civil –Mil coordination in HADR Brig K Venkatnarayan (India)	Medical cover planning in PKO Brig MS Bisht (India)	Nursing disaster drills & Handling mass casualties Lt Col Mahua Upadhyay (India)
1200	1230	Avoiding contamination : Defeating CBRN threats in the Air and Ground with the use of unmanned platforms COL Robert Carter III (USA)	Geological & Technological challenges in Avalanche Rescue Col Anurag Timothy (India)	Systems Approach to Tactical Combat Casualty Care Col Sameer Mehrotra (India)	US Department of Defence HIV/AIDS Prevention Program (DHAPP) Echo Dr. Steven Wiersma (USA)	Biorisk Management Culture in the AFP Health Service Command Dr. Domingo Chua Jr. (Philippines)
1230	1300	Development of radiation countermeasures for acute radiation syndrome: current status Prof Vijay K Singh (USA)	The Participation of Veterinary Corps in the Armed Forces of the Philippines’ Humanitarian Assistance and Disaster Relief Col Peter Alangui (Philippines)	Submarine disaster and rescue Surg Capt GD Bhanot (India)	Palau Healthcare Coordination Capt. Jesse Jenkins (USA)	Venous access in emergency Lt Col Anita D Nair (India)
INVITED PLATFORM PAPER PRESENTATIONS						
1300	1330	The Conversion of In-Person to Online Training at the United States School of Aerospace Medicine during COVID-19 Speaker: Lt Col Vina Howarth (USA)	Polyphasic composite scaffold for craniofacial bone regeneration. Col Manu Krishna (India)	COVID - 19 pandemic and Feto-Maternal outcome – A single center study from AFMS hospital Lt Col Debkalyan Maji (India)	Women as agents of change in conflicts and peace in VUCA World. Surg Capt Vidhu Bhatnagar	Face Mask associated Headache: A New entity or exacerbation of underlying primary Headache Syndromes Lt Col Bhartiya Manish (India)
1330	1430	Lunch				
RESEARCH & INNOVATIONS SESSION						
1430	1500	Volatility, Uncertainty, Complexity & Ambiguity : A fertile ground for AI Surg Capt P Vinny Wilson (India)	Telemedicine as a Force Multiplier in VUCA world Lt Col Shamik Paul (India)	A High- Throughput Platform for Relapsing Malaria Drug Discovery Dr. Alison Roth (USA)	Teledentistry: an Alternative Solution in Paediatric Dental Practice During and Post COVID-19 Era in the Indonesian Naval Dental Hospital Ladokgi R.E Martadinata Col Zelvy Purnama Rika (Indonesia)	Complex Maxillofacial trauma- Patterns, Protocols, Pitfalls Col Vivek Saxena (India)
SMART INNOVATIONS DISPLAY						
1500	1529	BREATHABLE PPE	DIGI-BLOOD	MULTIFEED OXYGEN MANIFOLD	EUREKA	AIRLIFT
1520	1540	BANANA LEAF VEIN	NON BREATH HOLD CARDIAC MRI	COMMUNICATION SKILLS	RAKSHA-KAWACH	AIR EVACUATION POD
1540	1600	PRACTICE LED INNOVATION	ORBITAL IMPLANT	INTEGRATED HEALTH INFO SERVICES	THERMOGRAPHY	PLATELET AGITATOR

Time		10 March 2022 (Day-4) THEME : RESEARCH AND INNOVATIONS IN A VUCA WORLD (MAIN HALL A)
From	To	
0900	0930	Debate : Artificial Intelligence Vs Clinical Intelligence - The future of medicine in a VUCA World COL (Ret.) Nelson Michael MD PhD Vs Gp Capt TVS Tilak Moderated by - COL Christopher Soltis (LIVE DEBATE)
0930	1000	MAIN HALL: Dr. Kayvon Modjarrad MD PhD – Emerging Infectious disease response –Flipping the Script
SELECTED AWARD PAPER PRESENTATION		
1000	1015	Variant-Dependence in COVID-19 Vaccine-induced SARS-CoV-2 Seroneutralization Speaker: Taweewun Hunsawong (Thailand)
1015	1030	Establishing Vector borne disease-Early detection and surveillance system(VEDS) for force protection: Analysis through VUCA lens Speaker: Lt Col Ayon Gupta (India)
1030	1045	Efficacy of implementing a combined Online and Hands-on basic Ultrasound Curriculum for 3 rd year Medical Students Speaker : Captain Timothy Wulfestieg (USA)
1045	1100	Attenuation of Covid 19 with the ChAdOx1 nCoV-19 Corona virus vaccine Speaker: Col Atul Jha (India)
1115	1130	Awards Announcement By MC
1130	1145	Closing Address by Dr Ajay Kumar Defence Secretary (India)
1145	1200	Vote of thanks by Surg Capt Diviya Gautam, VSM Conference Secretary

Organizers	
Brig Shishir Jain	Col Christopher Soltis
Brig RK Anadure, VSM	CAPT Danny Shiau
Col Rahul Ray	LTC Jose Pizzaro
Surg Capt Diviya Gautam, VSM	LCDR Jacob G Hasty
Wg Cdr A Banerjee	Ms Margot Craig- Louden
Ms Yara Francis	