

PARALLEL SESSION

PARALLEL SESSION 1 - 29 JUNE 2021

M1 - iMEDITEC ROOM 1

Time	Paper ID	Paper Title	Presenter
10.10 am	12	Tibiototalocalcaneal Arthrodesis Using Femoral Head Allograft in a Case of Traumatic Bone Loss of The Talus Authors: Bing Wui Ng and Mohd Yazid Bajuri	Ng Bing Wui
10.30 am	15	Holding It Together: Chronic Acromioclavicular Reconstruction Combining Anatomical and Non-anatomical Reconstruction Using Allograft with Augmentation Authors: Muhammad Zharif Nor Asikin, Bing Wui Ng, Ahmad Faizal Abdullah and Mohamad Fauzlie Yusof	Muhamad Zharif Nor Asikin
10.50 am	22	Treating the 5th Vital Sign: A case of bilateral knee osteoarthritis in a patient with childhood Rickets and Systemic Lupus Erythematosus undergoing total knee arthroplasty Authors: Abdul Rauf Kamarul Zaman, Bing Wui Ng and Mohamad Fauzlie Yusof	Abdul Rauf bin Kamarul Zaman
11.10 am	25	Effects of Varus and Sagittal Implant Positioning to the Stress Adaptation in Cementless Hip Arthroplasty Authors: Abdul Halim Abdullah, Muhammad Syahmi Yusof, Nabila Aznan, Nor Fazli Adull Manan, Shahrul Hisyam Marwan and Muhammad Hazli Mazlan	Muhammad Syahmi bin Yusof
11.30 am	Break		
11.35am	26	Outcome of Modified Technique using Mini TightRope device for Hallux Valgus surgery: A case series Authors: Herman Jana Mulok, Teik Chiang Goh, Mohd Yazid Bajuri, Husna Mohd Apandi and Faris Aiman Sarifulnizam	Herman Jana Mulok
11.55 am	62	2D computational tresca stress prediction of CoCrMo-on-UHMWPE bearing of total hip prosthesis based on body mass index Authors: Muhammad Imam Ammarullah, Ilham Yustar Afif, Mohamad Izzur Maula, Tri Winarni, Mohammad Tauviqirrahman, Athanasius Bayuseno, Hasan Basri, Ardiyansyah Syahrom, Amir Putra Md Saad and J Jamari	Muhammad Imam Ammarullah
12.15 pm	68	The Effect of Platelet-Rich Fibrin on the Success of the Dental Implant: A Systemic review Authors: Dian Setiawati, Muthmainnah Buddin, Nur Masyta Suriadi and Firman Salam	Muthmainnah
12.25 pm	83	Mechanical Behaviour of Cancellous bone: Compression and Three-Point Bending test Authors: Farah Amira Ghazali and Ardiyansyah Syahrom	Farah Amira binti Mohd Ghazali
12. 45 pm	End of Session		

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M2 - iMEDITEC ROOM 2

Time	Paper ID	Paper Title	Presenter
10.10 am	1	Wearable Phototherapy Using Side Glow Fibre Optic for Homecare Neonatal Hyperbilirubinemia Treatment with Temperature Monitoring System Authors: Maheza Irna Mohamad Salim	Maheza Irna Mohamad Salim
10.30 am	6	Low level laser therapy in the treatment of knee osteoarthritis- A review Authors: Adnan Afzal, Gan Hong Seng and Muhammad Hanif Ramlee	Adnan Afzal
10.50 am	11	Bidirectional Bending Fibre-Reinforced Soft Actuator Robotic Glove For Finger Rehabilitation Authors: Gooi Wen Pin, Hor Xian Feng and Leow Pei Ling	Gooi Wen Pin
11.10 am	13	Validity and repeatability inertial measurement unit for measuring walking gait parameter of patients with low back pain Authors: Norazebah Hamidon, Dr Aizreena Azaman, Dr Siti Ruzita Mahmud and Nur Hidayah Ong Abdullah	Norazebah binti Hamidon
11.30 am	Break		
11.35am	17	Research on EMG-based Classification of Hand Movements Using 4 Electrodes Arrangements on Forear Authors: Teruji Ide, Kiyotaka Kamata and Nariaki Imamura	Teruji Ide
11.55 am	32	Smartphone-Based Ophthalmoscope Prototype: A design consideration, reliability, and clinical safety Authors: Harnani Hassan, Muhammad Zulhelmi Kamaruzaman, Raudah Abu Bakar, Sukreen Hana Herman and Zulfakri Mohamad	Harnani Binti Hassan
12.15 pm	75	State of Body Bioimpedance Parameters After Massage Therapy Authors: Mohd Riduan Mohamad and Wan Mohd Azhar Wan Ibrahim	Mohd Riduan bin Mohamad
12.25 pm	7	Structural and Electrical Properties of Graphene/CNTs-Polymer Composites Observed Under Transmission Electron Microscope For Wearable Medical Device Authors: Che Raimi Nur Isarah, Hasmuni Nur Farhana and Mohd Yusop Mohd Zamri	Nur Isarah Che Raimi
12. 45 pm	End of Session		

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M3 - iMEDITEC ROOM 3

Time	Paper ID	Paper Title	Presenter
10.10 am	20	The Amazing Wound Healing Accelerator; Topical Bioactive Solution Authors: Nur Sa'idah Mohd Saidudin, Mohd Yazid Bajuri, Norliyana Mazli, Ahmad Azraf Azhar, Husna Mohd Apandi and Faris Aiman Sarifulnizam	Assoc. Prof. Dr. Mohd Yazid Bajuri
10.30 am	30	Sol-Gel Surface Enhancement of Pure Magnesium (Mg) for Biocompatibility Implant Applications Authors: Mohamad Zaki Hassan, Aufa Adlia Nazari and Zarini Ismail	Aufa Adlia Binti Nazaria
10.50 am	41	Evaluation of Functionally Graded Architecture using Fused Filament Fabrication Technique for Bone Scaffold Applications Authors: Muhammad Azfar Noordin, Mohd Aidil Syukri Zulkipli, Nur Aqila Kadir Hussein and Amir Putra Md Saad	Muhammad Azfar Noordin
11.10 am	43	Angiogenic and Osteogenic Properties of Fibrin in Bone Tissue Engineering Authors: Nurul Atiqah Maaruf and Norhana Jusoh	Nurul Atiqah binti Maaruf
11.30 am	Break		
11.35am	45	Biocompatibility of Beta-Tri Calcium Phosphate nanoencapsulation (β -TCP) from synthesis of Anadara granosa shells on Fibroblast Cell Line BHK-21 Cell Culture Authors: Aprilia, Sri Kunarti, Theresia Indah Budhy S and Rima Parwati Sari	Aprilia
11.55 am	46	The Property of Mesenchymal Stem Cells (MSCs) Secretome as a Bone Stimulator Candidate for Regeneration of Bone Defect Authors: Fery Setiawan, Dian Agustin Wahjuningrum and Dwikora Novembri Utomo	Fery Setiawan
12.15 pm	47	Chitosan Acts as a Scaffold Material Bone Graft on Bone Regeneration Process Authors: Dian Agustin Wahjuningrum, Setyabudi, Febriastuti Cahyani, Fery Setiawan and Eska Dianti	Radixtio Auzan Fepiosandi
12.25 pm	57	Cytotoxicity Test of Cacao Pod Peel Extract (Theobroma Cacao. L) In Human Periodontal Ligament Fibroblast Cells (HPdLF) Authors: Tamara Yuanita, Nawira, Amanda Diah Prameswari H and Ari Subiyanto	Nawira
12. 45 pm	End of Session		

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PARALLEL SESSION 2 - 29 JUNE 2021

M4 - iMEDITEC ROOM 1

Time	Paper ID	Paper Title/Authors	Presenter
2.50 pm	16	CT Lung Image Segmentation Using Image Processing And Markov Random Field Authors: Khairul Azha A Aziz	Khairul Azha A Aziz
3.10 pm	23	Features of brain rhythms during the visual memorizing task and auditory stimuli using electroencephalography Authors: Syarifah Noor Syakiylla Sayed Daud, Rubita Sudirman and Camallil Omar	Syarifah Noor Syakiylla Sayed Daud
3.30 pm	27	Requirements-Based Testing for Robotic Wheelchair Tracking Software System Authors: Dayang Norhayati Abang Jawawi, Rooster Tumeng, M. Irsyad Kamil, Amirul Danish Misri, Rosbi Mamat, Shahliza Abdul Halim, Raja Zahilah Raja Mohd. Radzi and Mohamad Noor Hakim Mohamad	Dayang Norhayati Abang Jawawi
3.50 pm	31	A Review on Machine Learning Approach in COVID-19 Pandemic Prediction and Forecasting Authors: Nor Nisha Nadhira Nazirun, Nashuha Omar, Koshelya Selvaganeson and Asnida Abdul Wahab	Nor Nisha Nadhira
4.10 pm	Break		
4.15 pm	38	IV Drip Controlling and Monitoring System using IoT Authors: Muhammad Syafiq Najah Bin Rozikin	Muhammad Syafiq Najah Bin Rozikin
4.35 pm	76	Assessment of Heart Rate Variability Response on Autism Spectrum Disorder Children using Machine Learning Authors: Noor Aimie-Salleh, Nour E. Mtawea, Xin Yen Kh'ng, Chiew Yii Liaw, Xiao Ge Cheng, Aaisha Negeh Bah, Kai Ling Lim, Alqahtani Abrar Nasser, Mawadah Adel Yahya Al Haddad, Aizreena Azaman, Mohd Riduan Mohamad and Nor Liyana Safura Hashim	Noureldin Essam Mtawea
4.55 pm	80	Sprinting Motion Detection System using Object Detection for Sports Performance Analysis Authors: Khairi Kamarudin, Hadafi Fitri Mohd Latip and Mohd Najeb Jamaludin	Muhamad Khairi B Kamarudin
5.15 pm	End of Session		

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M5 - iMEDITEC ROOM 2

Time	Paper ID	Paper Title/Authors	Presenter
2.50 pm	21	Adjacent Segment Degeneration and Sagittal Imbalance Post Lumbar Interbody Fusion: Mathematics Based on Pelvic Incidence For Recreation of Lumbar Lordosis Authors: Badrul Hisham Haris, Bing Wui Ng, Jin Aun Tan, Azmi Baharuddin and Muhammad Hisam Ariffin	Badrul Hisham Bin Haris
3.10 pm	29	Evaluating the Reusability of Core Assets for Service Oriented Product Line: Case Study of Patient Navigation Program (PNP) Authors: Ain Balqis Md Nor Basmmi, Shahliza Abd Halim and Dayang Norhayati Abang Jawawi	Ain Balqis bt Md Nor Basmmi
3.30 pm	33	3D Printed Assistive Writing Device for Phocomelia Patient Authors: Abdul Halim Abdullah, Mohammad Azeeb Mazlan, Natiara Mohammad Hashim and Noor Ayuni Che Zakaria	Mohammad Azeeb bin Mazlan
3.50 pm	39	Ergonomics Evaluation for Turning Machinist in Oil and Gas Industry Authors: Mohd Zul Helmie Hj Abu Kasim and Mohd Firdaus Mohd Taib	Mohd Zul Helmie bin Hj Abu Kasim
4.10 pm	Break		
4.15 pm	55	3D Scanner's Accuracy In Different Races Of Head And Face Measurement For Ergonomic Design: A Review Authors: Ong Joo Boon, Azanizawati Bt Ma'Aram and Tee Chee Hong	Ong Joo Boon
4.35 pm	61	High Accuracy Cloud Point Scanning Method based on Dual Laser 3D-Scanner with Head Profile: A Review (iMEDITEC2021) Authors: Tee Chee Hong, Azanizawati Bt Ma'Aram and Ong Joo Boon	Tee Chee Hong
4.55 pm	74	Footprint Analysis : Comparison between Conventional Scanning Method and Motion Capture system Authors: Azkiyyah Wahida Dzulkifli, Aizreena Azaman and Siti Aisyah Mualif	Azkiyyah Wahida Dzulkifli
5.15 pm	End of Session		

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M6 - iMEDITEC ROOM 3

Time	Paper ID	Paper Title/Authors	Presenter
2.50 pm	67	The Effect of Cyanocrylate Adhesive in Periodontal Therapy Healing – A Literature Review Authors: Surijana Mappangara, Nurfitra Abd Fatah, Daniel Tetan-El and Shinta Rahma Mansyur	Mansyur Shinta Rahma
3.10 pm	14	Synthesis and Physicochemical Characterization of Multi-Walled Carbon Nanotube /Quercetin/Chitosan Blended Membrane as Wound Dressing Authors: Nurul Huda Baktehir, Mohamad Ajma'In Mohamed Arbi and Norjihada Izzah Ismail	Norjihada Izzah Ismail
3.30 pm	44	Cytotoxicity of HA-TCP Scaffold on Human Umbilical Cord Mesenchymal Stem Cells using MTT Assay Authors: Vivin Ariestania, Nike Hendrijantini, Chiquita Prahasanti, Eric Prasetyo, Mefina Kuntjoro, Rima Parwati Sari and Aulia Dwi Maharani	Vivin Ariestania
3.50 pm	48	Antibacterial Effectiveness Of Chitosan Solution On Streptococcus mutans Authors: Dian Agustin Wahjuningrum, Setyabudi, Daniel Hadinata, Ilona Talitha Amalia, Rizki Annisa Roi'fa and Devi Eka Juniarti	Ilona Talitha Amalia
4.10 pm	Break		
4.15 pm	49	Chitosan Antibacterial Activity Against Streptococcus Viridans Authors: Dian Agustin Wahjuningrum, Halida Dwi Pramesti, Manuel Raynaldy Sihombing, Zabrina Luthfiana Devi, Mohamad Roelianto and Setyabudi	Zabrina Luthfiana Devi
4.35 pm	59	The Characteristics, Swelling Ratio and Water Content Percentage of Chitosan-Gelatin/Limestone-based Carbonate Hydroxyapatite Composite Scaffold Authors: Anita Yuliati, Devi Rianti, Rania Vivian Nathania, Alqomariyah Eka Purnamasari, Rifayinqa Ruyani Putri, Helal Soekartono, Soebagio and Ardiyansyah Syahrom	Geo Fanny
4.55 pm	66	Effectiveness of the platelet-rich fibrin (PRF) and adjuvant therapy for treatment intrabony osseous defect : a systematic review Authors: Asdar, Afriani Razak and Alfrida Pasangallo	Afriani
5.15 pm	End of Session		

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M7 - iMEDITEC ROOM 1

Time	Paper ID	Paper Title/Authors	Presenter
9.50 am	5	The effect of porosity and contact angle on the fluid capillary rise for bone scaffold wettability and absorption Authors: Ab Aziz Mohd Yusof	Ab Aziz bin mohd yusof
10.10 am	10	Self-powered Infusion Micropump Fabrication Using Xurography and Thermal Lamination Techniques Authors: Zul Fadhli Idris, Ummikalsom Abidin and Nur Shamimi Amirah Md Sunhazim	Ummikalsom Abidin
10.30 am	18	Case Series of Tibia Plateau Fracture Treated Using Ilizarov External Fixator – Functional and Radiological Outcome Authors: Kean Chao Ong, Mohamad Saifudin Othman, Bing Wui Ng, Soo Lin Teo and Basir Towil	Ong Kean Chao
10.50 am	19	Treatment of Closed Comminuted Supracondylar Fracture of Right Femur with Cross Knee Ilizarov External Fixation: A Case Report Authors: Nur Hakim bin Md Noorpi, Bing Wui Ng, Jin Aun Tan and Sabarul Afian Mokhtar	Nur Hakim bin Md Noorpi
10.55 am	Break		
11.15 am	28	Pulsatile Flow Interaction between Aorta and Pulmonary Artery Authors: Takahisa Yamamoto, Takumi Ichihashi, Shu Ishida, Mohamad Ikhwan Kori and Kahar Osman	Takahisa Yamamoto
11.35 am	42	Pore Size Effect on Mechanical Response and Fluid Permeability for Bone Scaffold Regeneration Authors: Nur Aqila Kadir Hussein, Noor Aziah Jamilah Mohtar, Luqman Haqim Neza, Muhammad Azfar Noordin and Amir Putra Md Saad	Nur Aqila binti Kadir Hussein
11.55 am	78	The Effect of Spiral Inducing Chamber on Left Ventricular Assist Device Outflow Cannula Authors: Siti Aisyah Thomas, Ahmad Zahran Md Khudzari and Muhammad Rashidi Abdul Kadir	
12.15 pm	81	Numerical Simulation on Three-Dimensional Printed Submerged Temephos Larvicide Dispenser for Dengue Prevention Authors: Norazmein Abdul Raman, Amir Mustakim Ab Rashid, Norjihada Izzah Ismail, Siti Aisyah Mualif and Muhammad Hanif Ramlee	Norazmein Bin Abdul Raman
12.25 pm	End of Session		

PARALLEL SESSION

PARALLEL SESSION 3 - 30 JUNE 2021

M8 - iMEDITEC ROOM 2

Time	Paper ID	Paper Title/Authors	Presenter
9.50 am	65	Enamel Matrix Derivative (EMD) For Periodontal Regeneration: A Systemic Review Authors: Sri Oktawaty, Machirah and Adhawanty	Machirah
10.10 am	40	Synthesis and Physicochemical Characterization of Naringenin-Loaded Polymeric Micelles and Gallic Acid-Loaded Polymeric Micelles for Cancer Drug Delivery Authors: Khaliqah Syafiqah Basir, Husnul Mufida and Norjihada Izzah Ismail	Husnul Mufida
10.30 am	53	Potential of Epigallocatechin-3-gallate as Chelating Agent against Matrix Metalloproteinase Expression and as Cross-Linking Agent Towards Hybrid Layer in Dentin Collagen Authors: Kun Ismiyatin, Setyabudi Goenharto, Windi Irsya, Paramita Tanjung Sari, Olivia Vivian Widjaja and Ria Puspita Sari	Paramita Tanjung Sari
10.50 am	54	Application of Combination Propolis Extract and Calcium Hydroxide (Ca(OH) ₂) As a Direct Pulp Capping Agent on MMP-1 Expression and Collagen Type 1 Density in Rat's Pulp Tissue Authors: Salsabila Nunki Widona, Yashinta Ramadhinta, Michael Golden Kurniawan, Nanik Zubaidah and Ira Widjiastuti	Salsabila Nunki Widona
10.55 am	Break		
11.15 am	58	The Effect of the Combination of Calcium Hydroxide with Green Tea Extract and Calcium Hydroxide with Cacao Peel Extract on the Number of Odontoblast-Like cells and Collagen Type-1 Authors: Tamara Yuanita, Priskilla Naomi Widodo, Andrie Handy Kusuma, Galih Sampoerno and Sri Kunarti	Priskilla Naomi Widodo
11.35 am	63	VEGF-A Expression after application of Calcium Carbonate of Blood Cockle (Anadara granosa) Shells in Dentin Pulp Complex (In Vivo Study in Rattus novergicus) Authors: Hermawa Adi Praja, Nina Dhaniar, Ratih Maharani Santoso, Devy Putri K, Annisa Salsabila A P, Veda Sahasika A N and Widya Saraswati	Hermawan Adi Praja
11.55 am	70	The Role of Omega 3 as a Host Modulation Therapy (HMT) in Periodontal Tissue Regeneration: a Systematic Review Authors: The Effect of Spiral Inducing Chamber on Left Ventricular Assist Device Outflow Cannula	Febrianty
12.15 pm	77	Permeability Study of Functionally Graded Scaffold Based on Morphology of Cancellous Bone Authors: Imam Akbar, Akbar Teguh Prakoso, Yoga Marantino Astrada, Muhamad Sofyan Sinaga, Hasan Basri, Muhammad Imam Ammarullah, Dendy Adanta, Agung Mataram, Ardiyansyah Syahrom and J Jamari	Imam Akbar
12.25 pm	End of Session		

PARALLEL SESSION

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M9 - iMEDITEC ROOM 3

Time	Paper ID	Paper Title/Authors	Presenter
9.50 am	34	A Review on Molecularly Imprinted Polymer (MIP) for Electrochemical Sensor Development Authors: Anis Suzziani Rosslan, Muhammad Faiz Md Shakhiah, Farah Nabila Mustafa Amirrudin, Asnida Abdul Wahab, Faizuan Abdullah and Muhammad Hanif Ramlee	Anis Suzziani Rosslan
10.10 am	35	Reusable Patient Navigation Software Architecture using Software Product Line Authors: Ushananthiny Suvelayutnan, Shahliza Abd Halim, Dayang Norhayati Abang Jawawi, Ain Balqis Md Nor Basmmi and Muhammad Syafiq A. Manan	Shahliza Abd Halim
10.30 am	36	A Comparative Study of Optical System to Improve Image Quality of Smartphone-based Ophthalmoscope Authors: Harnani Hassan, Nik Amir Afif Nik Ahmad Rushdi, Sukreen Hana Herman and Zulfakri Mohamad	Harnani Binti Hassan
10.50 am	37	Improvement Information Features Musculoskeletal Disorders (MSD) for Procedures of Health Screening Program (HSP) in SOCSO using Functional Range of Motion Authors: Tengku Nor Shuhada Tengku Zawawi, Abdul Rahim Abdullah, Norhashimah Mohd Saad and Rubita Sudirman	Tengku Nor Shuhada Tengku Zawawi
10.55 am	Break		
11.15 am	50	Characteristic and Distribution of Histological pattern of Ameloblastoma Post Mandibular Resection in Airlangga university Oral and Maxillofacial Surgery Department Satellite Hospital Authors: Widhi Satrio Nugroho, Stanley Santosa Kamadjaja, Coen Pramono and David Buntoro Kamadjaja	Widhi satrio nugroho
11.35 am	51	Effect of LTA Lactobacillus Plantarum (LP) Exposure Duration in Inflammatory Response (as Study Model of Dental Pulp Inflammation Wistar Rat) Authors: Nirawati Pribadi, Atika Nisaa Rachmawati, Sandra Kartika Sari and Cindy Ramadhan Putri	Atika Nisaa Rachmawati
11.55 am	52	Viability Test of Alpha-Mangostin against Oral Squamous Cell Carcinoma Authors: Andra Rizqiawan, Indra Mulyawan, Ta To Tran, Amalia Fauqiah Ashari, Adi Rizal Soleh, Abdul Muin Hasan Busri, Dewati Ayusri Artha, Cindy Shavia and Prasiddha Mahardhika El Fadhlallah	Dewati Ayusri Artha, drg
12.15 pm	24	Applications of synthetic aromatic polymers in the biomedical field: A review Authors: Syarifah Noor Syakiylla Sayed Daud, Rubita Sudirman, Muhd Noorul Anam Mohd Norddin, Juhana Jaafar and Nasrul Humaimi Mahmood	Syarifah Noor Syakiylla Sayed Daud
12.25 pm	End of Session		