



XXVIIth National Conference of Orthotics & Prosthetics Association of India

Date : 9th to 11th February 2024

Programme Schedule



DAY 1 (9.2.2024)

Scientific Session 1		Dr. A. Balakrishnan Hall - 1		Lower Limb Prosthetics	
Chairman 1 :- Dr. Pritpal Singh Sidhu			Chairman 2 :- Dr. Rajendra Kheshelkar		
Time	Abstract ID	Topic	Author	Presenter	Inst/Org/Company
9:00- 9:10	OPAI 2024-103	USE OF ELECTROMYOGRAPHY (EMG) IN ADVANCED PROSTHESES	NISHANT AGARWAL	NISHANT AGARWAL	LIFE AND LIMB. AI, GHAZIABAD
9:10-9:20	OPAI 2024-109	DYNAMIC PLANTAR PRESSURE ANALYSIS OF BILATERAL TRANSTIBIAL AMPUTEES	Dr. Rajesh Kumar Mohanty Mr. Dibya Ranjan Swain	Mr. Abhisek Sha Mr.Ravi Ranjan	SVNIRTAR, CUTTACK
9:20- 9:30	OPAI 2024-176	DESIGN AND DEVELOPMENT OF A COST- EFFECTIVE SPRING-LOADED DYNAMIC RESPONSE PROSTHETIC ANKLE JOINT: A PROTOTYPE STUDY	Mr. Sathiyamoorthy. C	Mr. Melvin Moses. T	CMC, VELLORE
9:30-9:40	OPAI 2024-195	SENSOR AIDED PROSTHESIS FOR VISUALLY IMPAIRED TRANSTIBIAL AMPUTEE	Dr. Deepshikha Raut	Yashashree Gawde	MGMIUDPO, NAVI MUMBAI
9:40-9:50	OPAI 2024-222	BIOMECHANICAL PRINCIPLES OF VARIOUS PROSTHETIC FOOT DESIGNE	Mr. INDER VIJAY SINGH, Mr. MOHIT GUPTA Ms. SHIVANI SHARMA	Mr.RAKESH BABU SHARMA	PDUNIPPD, NEW DELHI
9:50-10:00	DISCUSSION				
Inaguration from 10.00 to 11.00 hrs					
Tea Break from 11.00 to 11.30 Hrs					

DAY 1 (9.2.2024)

Scientific Session 2		Dr. A. Balakrishnan Hall - 1		Corporate Presentations	
Chairman 1 :- Dr. S.L. Yadav			Chairman 2 :- Dr. Deepak Prabhu		
Time	Abstract ID	Topic	Author	Presenter	Inst/Org/Company
11:30-11:45	Corporate	A NOVEL APPROACH TO FABRICATE TRANSTIBIAL PROSTHETIC SOCKETS THROUGH A HYBRID WORKFLOW CONVENTIONAL VS 3D PRINTING BLENDING METHODS	Ranjani Bushan	Ranjani Bushan	International Committee of Red Cross
11:45-11:55	Corporate	PHYSICAL REHABILITATION PROGRAM IN ICRC (INDIA AND GLOBAL)	Ms. Charu Sharma	Ms. Charu Sharma	International Committee of Red Cross



11:55-12:10	Corporate	EMPOWERING LIVES:INSTALIMB'S IMPACT ON AMPUTEES IN INDIA AND GLOBALLY	Shoichiro Adachi	Shoichiro Adachi	Instalimb
12:10-12:25	Corporate	EMPOWERING INDIA: RISE BIONICS' JOURNEY IN TRANSFORMING ACCESSIBILITY WITH INDIGENOUS DIGITAL PROSTHETICS AND ORTHOTICS	Arun Cherian (Founder, Rise Bionics)	Arun Cherian (Founder, Rise Bionics)	Rise Bionics
12:25-12:40	Corporate	NEURO TECHNOLOGIES FOR UPPER AND LOWER LIMBS PROSTHESES WITH SENSATIONS, BY MOTORICA AND SKOLTECH (SKOLKOVO INSTITUTE OF SCIENCE AND TECHNOLOGY)	Gurgen Soghoian	Gurgen Soghoian	Motorica
12:40-13:00	Corporate	NEW GENERATION MICROPROCESSOR STANCE AND SWING CONTROL ORTHOSIS FOR IMPROVE MOBILITY AND QULATIY OF LIFE	ANDREW M.	ANDREW M.	OTTOBOCK

Lunch Break 13.00 to 14.00

DAY 1 (9.2.2024)

Scientific Session 3		Dr. A. Balakrishnan Hall - 1		LOWER LIMB ORTHOTICS	
Chairman 1 :- Dr. K. Srikanth			Chairman 2 :- Dr. Rajesh Kumar Nanda		
Time	Abstract ID	Topic	Author	Presenter	Inst/Org/Company
14:00-14:10	OPAI 2024- 307	EFFICACY OF TREMOR SUPPRESSING ORTHOSIS ON PATIENT WITH PARKINSON DISEASE	Ms. YASHIKA KUMAR	GOURI SHARMA	ISIC, NEW DELHI
14:10-14:20	OPAI 2024- 302	THE ROLE OF ORTHOTIC MANAGEMENT IN ENHANCING HEALING OF DIABETIC FOOT ULCRES:A COMPARATIVE STUDY	S. Sathish	J. Sankar	SPO, GIRM CHENNAI
14:20-14:30	OPAI 2024- 190	EFFECT ON THE SHANK AND THIGH KINEMATICS ESPECIALLY WHEN USING ANKLE-FOOT ORTHOSIS	DR. G. PANDIAN	Mr. SUMANT KUMAR	PDUNIPPD, NEW DELHI
14:30-14:40	OPAI 2024- 114	PLANTAR FLEXOR RESISTIVE MOMENT TUNING ANKLE FOOT ORTHOSIS FOR POST POLIO FOOT DROP	Dr. Rajesh Kumar Mohanty	Miss. Ratnabati Sahoo	SVNIRTAR, CUTTACK
14:40-14:50	OPAI 2024- 135	EFFECTIVENESS OF ENERGY STORING AND RETURN (ESR) ANKLE FOOT ORTHOSIS FOR STROKE MANAGEMENT	Shedrak Vinod Kumar. R, Suriyaprakash. S	Shedrak Vinod Kumar. R, Suriyaprakash. S	CMC, VELLORE
14:50-15:00	DISCUSSION				

Tea Break from 15.00 to 15.30 Hrs



DAY 1 (9.2.2024)

Scientific Session 4		Dr. A. Balakrishnan Hall - 1		LOWER LIMB PROSTHETICS	
Chairman 1 :- Dr. Tarun Kulshrestha			Chairman 2 :- Dr. Anand Bhatt		
Time	Abstract ID	Topic	Author	Presenter	Inst/Org/Company
15:30-15:40	OPAI 2024- 303	OUTCOME FOR MANAGEMENT OF HIGH-END BILATERAL PATIENT WITH INDEGENOUS DESIGNED COMPONENT	Pratap Kumar	Srikanta Moharana Sushree Sangeeta Nayak	SVNIRTAR, CUTTACK
15:40-15:50	OPAI 2024- 276	ASSESSMENT OF MOBILITY OF PATIENT WITH AND WITHOUT TRANSTIBIAL PROSTHESIS IN IMPROVING THE QUALITY OF LIFE-A CROSS SECTIONAL STUDY	Dr.G.Pandian	Dr.Rashmiya M	Ideal Artificial limbs Solution, Lajpat Nagar, New Delhi
15:50-16:00	OPAI 2024- 274	2D VIDEO GAIT ANALYSIS TO EVALUATE GAIT OF HIP DISARTICULATION PROSTHETIC PATIENT	Madhavi Sharma	Madhavi Sharma	Auptimo, Delhi
16:00-16:10	OPAI 2024- 292	LOW-COST ENERGY RESTORING PROSTHETIC FOOT WITH TOE-BREAK	Mr. Devidas R.Thakre Mr. Prathmesh Patole	Mr. Ankit Wankhade	AIPMR, MUMBAI
16:10-16:20	OPAI 2024- 295	CONVERSION OF HIP DISARTICULATION INTO TRANSFEMORAL AMPUTATION & PROSTHETIC MANAGEMENT	Burhan Syed Dhar	Burhan Syed Dhar	King Faisal Specialist Hospital Riyadh Saudi Arabia
16:20-16:30	DISCUSSION				
16:30-17:00	On Line virtual Mode	The worlds 1st Hybrid Brace for Scoliosis	Monika Cybart	Monika Cybart	VNTC – Korea – Medical Education Consultant
Students Cultural Program from 18.00 hrs onwards - Dr. A. Balakrishnan Hall - 1					
Dinner 20.00 Hrs onwards					

DAY 1 (9.2.2024)

Scientific Session 12		Dr. T P Mirajkar Hall- 2		LOWER LIMB ORTHOTICS	
Chairman 1 :- Dr. Pravin Verma			Chairman 2 :- Dr. Uttara Deshmukh		
Time	Abstract ID	Topic	Author	Presenter	Inst/Org/Company
9:00-9:10	OPAI 2024- 111	THEEFFECTOFCUSTOMI ZED FOOTINSOLESANDTEXT URED INSOLESON THE BALANCE AND POSTURAL CONTROL IN ELDERLY PEOPLE AND FALL PREVENTION: ARANDOMIZED CONTROLLED CLINICAL TRIAL	Ms. Minakshi Mr. Sama Raju	Mr. Lokesh Sarma. R	ISHWAR, CHENNAI
9:10-9:20	OPAI 2024- 166	HYPOTONIA – EARLY ORTHOTIC INTERVENTION & A MULTIDISCIPLINARY APPROACH	Mr. Pankaj Kumar Sinha Ms. Misbah Rafiqueahmed Choudhary	Mr. Pankaj Kumar Sinha Ms. Misbah Rafiqueahmed Choudhary	Sai Prosthetic Orthotic & Research Centre, Navi Mumbai



9:20-9:30	OPAI 2024- 131	COMPARATIVE EFFECTS OF ORTHOTIC ANALYSIS FOR STATIC & DYNAMIC BAROPODOMETRY IN GENU VALGUM	Dr. Rajesh Kumar Mohanty	Miss. Abinaya K Miss. Saswati Sahoo	SVNIRTAR, CUTTACK
9:30-9:40	OPAI 2024- 173	PEDIATRIC ADJUSTABLE HIP ABDUCTION ORTHOSIS WITH DIAL LOCK AND ROTATING BARS	Dr. Gauri Panse	Kartik Agrawal Sakshi Thakkar	MGMIUDPO, NAVI MUMBAI
9:40-9:50	OPAI 2024- 177	METHODS FOR DETERMINATION, IDENTIFICATION AND ASSESSMENT PROTOCOL FOR FLATFEET IN OPEN AND CLOSED KINEMATIC CHAIN	Parthasarathi Swain Subhasmita Sahoo	Hemavarshini. J Reetu Rani Verma	NIEPMD, CHENNAI
9:50-10:00	DISCUSSION				
Inaguration from 10.00 to 11.00 Hrs in Dr. A. Balakrishnan Hall - 1					
Tea Break from 11.00 to 11.30 Hrs					
Corporate Session from 11.30 to 13.00 in Dr. A. Balakrishnan Hall - 1					
Lunch Break 13.00 to 14.00 Hrs					

DAY 1 (9.2.2024)

Scientific Session 13		Dr. T P Mirajkar Hall-2		SPINAL ORTHOTICS	
Chairman 1 :- Dr. K. Kalaiselvam			Chairman 2 :- Dr. Jaiveer Singh		
Time	Abstract ID	Topic	Author	Presenter	Inst/Org/Company
14:00-14:10	OPAI 2024- 121	AI MODEL PREDICTS SCOLIOSIS SPINAL CURVE PROGRESSION AT THE FIRST VISIT BY INTEGRATING 2D IMAGING & 1D CLINICAL INFORMATION	Mr. ROHAN DEKATE	Mr. ROHAN DEKATE	MGMIUDPO , NAVI MUMBAI
14:10-14:20	OPAI 2024- 143	EFFECTIVENESS OF BOSTON BRACE ON ADOLESCENT IDIOPATHIC SCOLIOSIS (AIS) AT CMC VELLORE- A CASE STUDY	H. Arul Thomas	H. Arul Thomas	CMC, VELLORE
14:20-14:30	OPAI 2024- 155	CUSTOM-MADE MODIFIED TORTICOLLIS BRACE: AN EFFORT	Mr.Sanjeev Bhattacharyya	Pinaki Gain	NILD, KOLKATA
14:30-14:40	OPAI 2024- 191	MISCONCEPTIONS ABOUT DEFORMED HEAD SHAPES	Mr. Ashish Sonawane	Dr. Swagatika Mishra	OrthoMENA Prosthetics and Orthotics Centre LLC, Al Mina Street, Dubai UAE
14:40-14:50	OPAI 2024- 263	EFFECT OF CUSTOM- MADE SCOLI - BRACE FOR PATIENT WITH IDIOPATHIC SCOLIOSIS - A CASE STUDY	Mr. Devidas R. Thakre	Ms. Shivani S. Pawar	AIPMR, MUMBAI
14:50-15:00	DISCUSSION				
Tea Break from 15.00 to 15.30 Hrs					



DAY 1 (9.2.2024)

Scientific Session 14		Dr. T P Mirajkar Hall- 2		LOWER LIMB PROSTHETICS	
Chairman 1 :- Dr. Roman Jagota			Chairman 2 :- Dr. Arun Narahari Solat		
Time	Abstract ID	Topic	Author	Presenter	Inst/Org/Company
15:30-15:40	OPAI 2024- 102	REVOLUTIONIZING NEURAL REHABILITATION AND NEUROPROSTHESIS	Mr. G. Pandian	Ms. Preeti Presenter2: Mr.PankitChandel	PDUNIPPD, NEW DELHI
15:40-15:50	OPAI 2024- 113	INFLUENCE OF FEMUR LENGTH ON ASYMMETRY OF PROSTHETIC GAIT BIOMECHANICS IN TRANSFEMORAL AMPUTATION	Ms. Arpita Padhi Dr. Rajesh Kumar Mohanty Ms. Rojaleen Pradhan Dr. Patitapaban Mohanty	Mr. Ezhumalai K	NIPMED, CHENNAI
15:50-16:00	OPAI 2024- 125	EFFECTIVENESS OF MOBILE 2D MOTION ANALYSIS FOR LOWER LIMB AMPUTEES USING JAIPUR FOOT / LIMB	Tarun Kumar Kulshreshtha	Shruti Jain Sujit Kumar	BMVSS, JAIPUR
16:00-16:10	OPAI 2024- 269	SHOCK ABSORBING PYLON FOR TRANSTIBIAL PROSTHESIS: A CASE STUDY	Nandita Tripathy	Nandita Tripathy	SVNIRTAR, CUTTACK
16:10-16:20	OPAI 2024- 128	VIBROTACTILE STIMULATION DEVICES FOR PROSTHESIS REHABILITATION TRAINING	Dr. Rajesh Kumar Mohanty	Miss Sagareeka Sahoo	SVNIRTAR, CUTTACK
16:20-16:30	DISCUSSION				
<p>The worlds 1st Hybrid Brace for Scoliosis by Ms. Monika Cybart, VNTC - Korea - Medical Education Consultant, Dr. A Balakrishnan Hall - 1, 16.30 to 17.00 hrs</p>					
<p>Students cultural evening by students from 18.00 Hrs onwards in Dr. A. Balakrishnan Hall - 1</p>					
<p>Dinner 20.00 Hrs onwards</p>					

DAY 1 (9.2.2024)

Scientific Session 21		Dr. Amarson Hall -3		LOWER LIMB PROSTHETICS	
Chairman 1 :- Dr. M. Singaravelu			Chairman 2 :- Dr. Sanjib Kumar Barai		
Time	Abstract ID	Topic	Author	Presenter	Inst/Org/Company
9:00-9:10	OPAI 2024 226	IMMEDIATE EFFECT OF SENSORY FEEDBACK LOWER EXTREMITY PROSTHETIC SYSTEM ON GAIT VARIABLES IN LOWER LIMB AMPUTEES	Ms. Swapna Sahoo	Ms.Barsa Priyadarshini Mr. Saideepak Sahoo	SVNIRTAR
9:10-9:20	OPAI 2024 254	BALANCE OF PERON WITH LOWER LIMB AMPUTATION: CONCEPT AND METHOD OF MEASUREMENT	Dr. Amit kumar Vimal	Dr. Amit kumar Vimal	PDUNIPPD



9:20-9:30	OPAI 2024 267	AMPUTEE'S EXPECTATIONS AND ENGAGEMENT ON COSMETIC DESIGNING OF PROSTHESES - A CURRENT PRACTICE IN INDIA	Monisha devi. G Mritunjay Kumar	Monisha devi. G	Mobility India
9:30-9:40	OPAI 2024 289	INDIGENOUSLY DEVELOPED MULTI - AXIS PROSTHETIC FOOT	Mr. Devidas R.Thakre Mr. Manoj kumar Tiwari	Mr. Devidas R.Thakre	AIPMR
9:40-9:50	OPAI 2024- 313	PLANTAR PRESSURE ANALYSIS IN PFFD PATIENT	Sushree sangita nayak Sarita saho	Sarita saho	SVNIRTAR
09:50-10:00	OPAI 2024- 107	VERSA CAST WITH ALLIGN TECH FOR TRANSFEMORAL AMPUTATION	Ullas Chandra Sahoo	SubhashreePriyadarshini Subhasmita Priyadarshini	SVNIRTAR,CUTTACK

Inaguration from 10.00 to 11.00 Hrs in Dr. A. Balakrishnan Hall - 1

Tea Break from 11.00 to 11.30 Hrs

Corporate Session from 11.30 to 13.00 in Dr. A. Balakrishnan Hall - 1

Lunch Break 13.00 to 14.00 Hrs

DAY 1 (9.2.2024)

Scientific Session 22		Dr. Amarson Hall -3		LOWER LIMB ORTHOTICS	
Chairman 1 :- Dr. Urmila Naukudkar			Chairman 2 :- Dr. Gyanaranjan Samant		
Time	Abstract ID	Topic	Author	Presenter	Inst/Org/Company
14:00-14:10	OPAI 2024- 104	A NEW APPROACH OF CONGENITAL POSTEROMEDIAL BOWING OF TIBIA IN A 10-MONTH-OLD CHILD BY ORTHOTIC MANAGEMENT	Mr. MILAN SAMANTA	SAYANTIKA KAR JALIL SK	NILD, KOLKATA
14:10-14:20	OPAI 2024- 205	REINFORCED AFO : ASOLUTION TOLOW ECONOMIC ASPECTS	Dr. ShauryaMohapatra Dr. SanketKumarRout	Dr. ShauryaMohapatra Dr. Rudranarayan Behera	CIRS Bhubaneswar
14:20-14:30	OPAI 2024- 137	EFFICACY OF WEIGHT RELIEVING ORTHOSIS ON RECURRENT FRACTURE IN OSTEOGENESIS IMPERFECTA	Dr. Rajesh Kumar Mohanty	Miss Parayaree Payo	SVNIRTAR, CUTTACK
14:30-14:40	OPAI 2024- 299	OFFLOADING LOWER LIMB ORTHOSIS	Dr. Subhasish Paikray	Ms. Pranaya More	MGMIUDPO, Navi Mumabai
14:40-14:50	OPAI 2024- 312	DEVELOPMENT OF LOW COST POLYMER COMPOSITES FOR DYNAMIC FOOT	Srikanta Maharana	Sushree Sangita Nayak	SVNIRTAR
14:50-15:00	OPAI 2024- 219	POSTURAL ANALYSIS OF CHILDREN WITH GENU VARUM USING CORRECTIVE KNEE BRACING	Dr. Rajesh Kumar Mohanty Ms.Gayatree Kumari Bhutia	Mr. Abhisek Sha	SVNIRTAR,CUTTACK
Tea Break from 15.00 to 15.30 Hrs					



DAY 1 (9.2.2024)

Scientific Session 23		Dr. Amarson Hall -3		TECHNOLOGY	
Chairman 1 :- Dr. K. Manoharan			Chairman 2 :- Dr. Jayashree Nair		
Time	Abstract ID	Topic	Author	Presenter	Inst/Org/Company
15:30-15:40	OPAI 2024 116	GAIT ANALYSIS ARSENAL: A COMPREHENSIVE EXPLORATION OF INSTRUMENTATION AND TOOLS	Mrs.Prachi Prava Pattnaik	J.Vinishaa Shrabana Kundu	NIEPMD
15:40-15:50	OPAI 2024 164	INDIGENOUSLY DESIGNED FOOT MEASUREMENT CALIPER	Ms. Gayathri. S Chimayee Subhasmita Panda	Ms. Aashika. A. Ms. Swathi. B	ISHWAR
15:50-16:00	OPAI 2024 169	AUTOMATED CONVENIENT ANKLE MOBILIZER FOR THERAPEUTIC INTERVENTION	Shri. Dewendra Prasad Shri. Parthasarathi Swain	J. Naveen Kumar	NIEPMD, CHENNAI
16:00-16:10	OPAI 2024 261	DIGITAL GONIOMETER USING POTENTIOMETER	Mr. SAMEER SAMANTA Dr P.K LENKA	JUHI ROY	NILD
16:10-16:20	OPAI 2024- 270	PRESSURE SENSING DEVICE FOR PRECISE HEEL POSITIONING IN ANKLE FOOT ORTHOSIS	Lukeshkumar Bhuyar	ShaikhMohdFardeen	
16:20-16:30	DISCUSSION				
The worlds 1st Hybrid Brace for Scoliosis by Ms. Monika Cybart, VNTC - Korea - Medical Education Consultant, Dr. A Balakrishnan Hall - 1, 16.30 to 17.00 hrs					
Students cultural evening by students from 18.00 Hrs onwards in Dr. A. Balakrishnan Hall - 1					
Dinner 20.00 Hrs onwards					

DAY 2 (10.2.2024)

Scientific Session 5		Dr. A. Balakrishnan Hall - 1		EDUCATION	
Chairman 1 :- Dr. J. Prakash			Chairman 2 :- Dr. Anil Sharma		
Time	Abstract ID	Topic	Author	Presenter	Inst/Org/Company
9:00-9:10	OPAI 2024- 283	OVERVIEW OF THE TREND OF EDUCATIONAL SYSTEM IN ORTHOTICS AND PROSTHETICS IN INDIA	Mr. Mohit Gupta	Mr. Mohit Gupta	PDUNIPPD, NEW DELHI
9:10-9:20	OPAI 2024- 112	NAVIGATING EMPLOYMENT CHALLENGES: UNVEILING THE IMPACT OF PROSTHETIC AND ORTHOTIC INTERVENTIONS FOR INDIVIDUALS WITH DISABILITIES	Mr. G.Pandian	Ms. Nancy	PDUNIPPD, NEW DELHI



9:20-9:30	OPAI 2024- 232	UNLIMITED HORIZONS- NAVIGATING HIGHER EDUCATION AND EMPLOYMENT OPPORTUNITIES AFTER COMPLETING BACHELOR OF PROSTHETICS AND ORTHOTICS	Mr. G.Pandian	Miss. Sudha	PDUNIPPD, NEW DELHI
9:30-9:40	OPAI 2024- 186	CHALLENGES AHEAD TO THE NEXT GENERATION OF P&O	Mr. Rajendra Kachelkar	Mr. Rajendra Kachelkar	Ashtavinayak Surgicals, Maharashtra
9:40-9:50	OPAI 2024- 278	QUALITY OF LIFE OF AMPUTEES IN NORTHERN INDIA USING LOWER LIMB PROSTHESIS	Mr. Sohan Pal Ms. Bhumika vijay	Mr. Sohan Pal Ms. Bhumika vijay	VMMC, NEW DELHI
9:50-10:00	DISCUSSION				

DAY 2 (10.2.2024)

Scientific Session 6		Dr. A. Balakrishnan Hall - 1		LOWER LIMB PROSTHETICS	
Chairman 1 :- Dr. G Pandian			Chairman 2 :- Dr. P.S. Dantala		
Time	Abstract ID	Topic	Author	Presenter	Inst/Org/Company
10:00-10:10	OPAI 2024-157	EFFECTIVENESS OF HYDRAULIC ANKLE-FOOT FOR PROSTHETIC USERS IN DEVELOPING COUNTRY LIKE INDIA	Gautam Jain	Gautam Jain	ENDOLITE INDIA, NEW DELHI
10:10-10:20	OPAI 2024- 252	JAIPUR FOOT / LIMB- SERVICE WITH SCIENCE RECENT ADVANCEMENTS – A REPORT	Tarun Kumar Kulshreshtha	Tarun Kumar Kulshreshtha Shruti Jain	BMVSS, JAIPUR
10:20-10:30	OPAI 2024- 214	INNOVATIVE ADAVANCEMENT IN ABOVE KNEE PROSTHETICS: UNVEILING THE POWER OF HYDRAULIC ELEVATION	Miss.Durgeshwari Kadam	Mr. Sumit Bhowmik	Proactive Technical Orthopeadics Pvt.Ltd, Pune
10:30-10:40	OPAI 2024 189	ENDOSKELETAL EXTENSION PROSTHESIS INCORPORATING DYNAMIC AFO DESIGN FOR ROTATIONPLASTY PATIENTS	Mr. G.Pandian, Assistant Professor Ms. Yamini	Mr.AryanGautam	PDUNIPPD, NEW DELHI
10:40-10:50	OPAI 2024- 174	LOWER LIMB PROSTHETIC HEIGHT ADJUSTMENT SYSTEM	Poly Ghosh Dr. P.K. Lenka	Abhirup Das	NILD, KOLKATA
10:50-11:00	DISCUSSION				
Tea Break from 11.00 to 11.30 Hrs					

DAY 2 (10.2.2024)

Scientific Session 7		Dr. A. Balakrishnan Hall - 1		CORPORATE PRESENTATION	
Chairman 1 :- Dr. B. Madhouraj			Chairman 2 :- Dr. Navid Dabbin		
Time	Abstract ID	Topic	Author	Presenter	Inst/Org/Company
11:30-11:40	Corporate	ADOPTION OF INDUSTRY 4.0 IN PROSTHETIC & ORTHOTIC SECTOR OPPORTUNITY AND CHALLENGES	Rajesh Das	Rajesh Das	ALIMCO
11:40-11:50	Corporate	SPORTS WHEELCHAIR DESIGNED BY ALIMCO	Mrs. Priyanka Singh, Junior Manager, ALIMCO	Mrs. Priyanka Singh	ALIMCO
11:50-12:10	Corporate	SAFETY AND FUNCTION OF MICROPROCESSOR CONTROL ABOVE KNEE PROSTHESIS FOR MODERATE AND LOW TRANSFEMORAL AMPUTEE	Shri. Roman Jagota	Shri. Roman Jagota	OTTOBOCK
12:10-12:30	Corporate	BREAKING NEW GROUND: INSIGHTS FROM A 50-PATIENT PROSTHESIS TEST GROUP IN INDIA	Purnima Singh	Purnima Singh	Instalimb
12:30-12:45	Corporate	INNOVATING PROSTHETIC CARE: HOW 3D TECHNOLOGY ASSISTS PROSTHETISTS AND ORTHOTISTS	Akshay Jain	Akshay Jain	Instalimb
12:45-13:00	DISCUSSION				
Lunch Break 13.00 to 14.00					
General Body meeting followed by election from 14.00 Hrs onwards in Dr. T P Mirajkar Hall - 2					
Quiz program by Ottobock from 14.00 Hrs onwards in Dr. A Balakrishnan Hall - 1					

DAY 2 (10.2.2024)

Scientific Session 15		Dr. T P Mirajkar Hall- 2		LOWER LIMB ORTHOTICS	
Chairman 1 :- Dr. J. Sankar			Chairman 2 :- Dr. Vijay Kumar Nautiyal		
Time	Abstract ID	Topic	Author	Presenter	Inst/Org/Company
9:00-9:10	OPAI 2024- 147	COMPARISON OF BALANCE AND GAIT ATTRIBUTES BETWEEN ARTICULATED AND ENERGY STORING AND RETURN ANKLE FOOT ORTHOSES IN STROKE: A RANDOMIZED CROSSOVER STUDY	Mr.Ezhumalai K . Dr.Rajesh Kumar Mohanty	Dr.ArпитаPadh	KAHER, KARNATAKA
9:10-9:20	OPAI 2024- 178	EASE OF MOBILITY WITH DIABETIC FOOT	Mr. G. Pandian, Assistant Professor	Gauri Sharma	PDUNIPPD, NEW DELHI



9:20-9:30	OPAI 2024- 182	PRE- AND POST-OPERATIVE ORTHOTIC PRESCRIPTION EFFICACY IN CONGENITAL PSEUDOARTHROSIS OF THE TIBIA	Dr. Rajesh Kumar Mohanty	Nidhi Kumari	SVNIRTAR, CUTTACK
9:30-9:40	OPAI 2024- 208	INTEGRATED SENSOR BASED INTELLIGENT DYNAMIC ORTHOSIS FOR BLIND STROKE SUBJECTS	Dr. Rajesh Kumar Mohanty	Mr. Rajesh Baghsingh	SVNIRTAR, CUTTACK
9:40-9:50	OPAI 2024- 180	MODIFIED HIP ABDUCTION DDH ORTHOSIS	Mr. Srikanta Moharana Mrs.Sushree SangeetaNayak	Mr. Debasish Behera	SVNIRTAR, CUTTACK
9:50-10:00	DISCUSSION				

DAY 2 (10.2.2024)

Scientific Session 16		Dr. T P Mirajkar Hall- 2		UPPER LIMB PROSTHETICS	
Chairman 1 :- Dr. Srikant Moharana			Chairman 2 :- Dr. Ajit Pratap Singh		
Time	Abstract ID	Topic	Author	Presenter	Inst/Org/Company
10:00-10:10	OPAI 2024 241	AN INDIGENOUS DESIGNED EXCURSION AMPLIFIER FOR SHOULDER DISARTICULATION PROSTHESIS	Shri. Dewendra Prasad Shri. Parthasarathi Swain	V. NANDHINI	NIEPMD
10:10-10:20	OPAI 2024 242	DESIGN OF WIRELESS BLUETOOTH OPERATING TOOL FOR PARTIAL HAND MYOELECTRIC PROSTHESIS: A CONCEPTUAL STUDY	Shri Dewendra Prasad Shri Parthasarathi Swain	Ms V.R.Jayashree	NIEPMD
10:20-10:30	OPAI 2024 262	THE DEVELOPMENT AND EVALUATION OF LOW-COST STANCE CONTROL PROSTHETIC KNEE JOINT	Mr. Obaid Ur Rahman Mr. Rajdeep Kumar Mr. Amarnath prasad	Mr. Obaid Ur Rahman	Mobility India
10:30-10:40	OPAI 2024 226	IMMEDIATE EFFECT OF SENSORY FEEDBACK LOWER EXTREMITY PROSTHETIC SYSTEM ON GAIT VARIABLES IN LOWER LIMB AMPUTEES	Ms. Swapna Sahoo	Ms.Barsa Priyadarshini Mr. Saideepak Sahoo	SVNIRTAR, CUTTACK
10:40-10:50	OPAI 2024 127	DESIGN AND ANALYSIS OF POLYCENTRIC PROSTHETIC KNEE WITH ENHANCED KINEMATICS AND STABILITY	Dr. Rajesh Kumar Mohanty	Dr. Rajesh Kumar Mohanty	SVNIRTAR, CUTTACK
10:50-11:00	DISCUSSION				
Tea Break from 11.00 to 11.30 Hrs					
Corporate Session from 11.30 to 13.00 in Dr. A. Balakrishnan Hall - 1					
Lunch Break 13.00 to 14.00					
General Body meeting followed by election from 14.00 Hrs onwards					
Quiz program by Ottobock from 14.00 Hrs onwards in Dr. A. Balakrishnan Hall - 1					
Cultural Program & Gala Dinner from 18.00 Hrs onwards in Dr. A. Balakrishnan Hall - 1					



DAY 2 (10.2.2024)

Scientific Session 24		Dr. Amaron Hall -3		Lower Limb Orthotics	
Chairman 1 :- Dr. T. Saravanan			Chairman 2 :- Dr. H. Arul Thomas		
Time	Abstract ID	Topic	Author	Presenter	Inst/Org/Company
9:00-9:10	OPAI 2024- 126	MULTI-FACETED EFFECTS OF HIP ABDUCTION ORTHOSIS IN PERTHES DISEASE: A RADIOLOGICAL PROSPECTIVE	Dr. Rajesh Kumar Mohnaty	Mr. Nihar Ranjan Mallik Mr. Ratikanta Patra	SVNIRTAR, CUTTACK
9:10-9:20	OPAI 2024- 133	ANALYSIS OF BAROPODOMETRY WITH CLAMSHELL ANKLE FOOT ORTHOSIS IN POST-OPERATIVE PSEUDOARTHROSIS OF TIBIA: A CASE STUDY	Dr. Rajesh Kumar Mohanty Miss. Rimple Lora	Dr. Rajesh Kumar Mohanty Miss. Rimple Lora	SVNIRTAR, CUTTACK
9:20-9:30	OPAI 2024- 123	CLIMATE-ADAPTIVE CUSTOMIZED INSOLES: ENHANCING COMFORT AND PERFORMANCE	Mrs. Santosh Jha	Mrs. Santosh Jha	PDUNIPPD, NEW DELHI
9:30-9:40	OPAI 2024- 227	EFFICACY OF KNEE ORTHOSIS IN SECONDARY GENU VALGUM FOLLOWING POST OPERATIVE OSTEOMYELITIS	Dr. Rajesh Kumar Mohanty	Miss. Pratyasha Panda	SVNIRTAR, CUTTACK
9:40-9:50	OPAI 2024- 243	EFFECT OF CUSTOM LOWPROFILE SWASH BRACE ON GAIT AND ENERGY EXPENDITURE IN CHILDREN WITH SPASTIC DIPLEGIC CEREBRALPALSY WITH ADDUCTOR SPASTICITY	Mr.Vignesh Kumar.M Mrs.Priyadarsini MonalishaDash	Mr. Vignesh Kumar	ISHWAR
9:50-10:00	DISCUSSION				

DAY 2 (10.2.2024)

Scientific Session 25		Dr. Amaron Hall -3		Spinal Orthotics	
Chairman 1 :- Dr. Himanshu Kumar Patnaik			Chairman 2 :- Dr. Saroj Kanta Behura		
Time	Abstract ID	Topic	Author	Presenter	Inst/Org/Company
10:00-10:10	OPAI 2024 185	EFFECTIVENESS OF ADJUSTABLE CUSTOM- MADE SCOLIOSIS BRACE FOR PATIENTS WITH IDIOPATHIC SCOLIOSIS WITH FLEXIBLE CURVES BEFORE SKELETAL MATURITY- A CASE STUDY	Mrs. Urmila M. Naukudkar Mr. Devidas R.Thakre	Mrs. Urmila M. Naukudkar Mr. Devidas R.Thakre	AIPMR, MUMBAI
10:10-10:20	OPAI 2024 192	COMPARISON BETWEEN CUSTOMIZED & PRE-FABRICATED THORACOLUMBOSACRAL ORTHOSES ON COMPETENCE, SELF-ESTEEM AND ADAPTABILITY IN PATIENTS WITH INCOMPLETE SPINAL CORD INJURY	Praveen Kumar Shukla	Mr. Praveen Kumar Shukla	PDUNIPPD, NEW DELHI



10:20-10:30	OPAI 2024 277	SPINAL ORTHOSSES IN TRAUMATIC SPINAL CORD INJURIES: A COMPARATIVE STUDY	SATYAVAN MISHRA	SATYAVAN MISHRA	HIMS, Sitapur, Uttar Pradesh
10:30-10:40	OPAI 2024 285	DESIGN AND DEVELOPMENT OF MOBILE APPLICATION (ABILITY) FOR DIVYAGJAN TO GET BETTER SERVICES	Dr. Subhashish Paikray Dr. Ravi Barela	Hrida Ansari	MGMIUDPO, Navi Mumbai
10:40-10:50	OPAI 2024 286	SCOLIOSIS ASSESSMENT PROTOCOL ACCENTUATING PROSTHETISTS AND ORTHOTISTS FOR SPINAL ORTHOSIS PRESCRIPTION: A NARRATIVE REVIEW	Ms Ritu Ghosh Mr Riyaz Hussain	Ms Vanessa John	Mobility India
10:50-11:00	DISCUSSION				
Tea Break from 11.00 to 11.30 Hrs					
Corporate Session from 11.30 to 13.00 in Dr. A. Balakrishnan Hall - 1					
Lunch Break 13.00 to 14.00					
General Body meeting followed by election from 14.00 Hrs onwards in Dr. T P Mirajkar Hall - 2					
Quiz program by Ottobock from 14.00 Hrs onwards in Dr. A. Balakrishnan Hall - 1					
Cultural Program & Gala Dinner from 18.00 Hrs onwards in Dr. A. Balakrishnan Hall - 1					

DAY 3 (11.2.2024)

Scientific Session 8		Dr. A. Balakrishnan Hall - 1		Assistive Technology	
Chairman 1 :- Dr. K. Hariram			Chairman 2 :- Dr. Aratran Patra		
Time	Abstract ID	Topic	Author	Presenter	Inst/Org/Company
9:00-9:10	OPAI 2024- 146	LOW-COST PETROL ENGINE POWERED TRICYCLE FOR RURAL AREAS	Ms. Smita Nayak, P&O Demonstrator, Pt. Deendayal Upadhyaya National Institute for Persons with Physical Disabilities (PDUNIPDD)	Charvi Sharma, BP&O, 3rd Year	PDUNIPDD, NEW DEHI
9:10-9:20	OPAI 2024- 167	INNOVATIVE MOBILITY SOLUTIONS : ENHANCING ACCESSIBILITY WITH ADAPTIVE TRICYCLES	Mr. Shashank Srivastava Mr. Mr. G.Pandian	Mr. Shashank Srivastava	PDUNIPDD, NEW DEHI
9:20-9:30	OPAI 2024- 172	DEVELOPMENT OF WHEEL CHAIR- LIFT FOR ACCESSIBILITY IN ALL TRANSIT BUS	Ms. SMITA NAYAK	KAPIL NISHAD	PDUNIPDD, NEW DEHI
9:30-9:40	OPAI 2024- 289	INDIGENOUSLY DEVELOPED MULTI-AXIS PROSTHETIC FOOT	Mr. Devidas R.Thakre Mr. Manoj kumar Tiwari	Mr. Devidas R.Thakre	AIPMR, MUMBAI
9:40-9:50	OPAI 2024- 293	MANUAL STAIR-CLIMBING CEREBRAL PALSY CHAIR	Riya Rajeev Amburle Mrs. Urmila Naukudkar	Riya Rajeev Amburle Mrs. Urmila Naukudkar	AIPMR, MUMBAI
9:50-10:00	DISCUSSION				



DAY 3 (11.2.2024)

Scientific Session 9		Dr. A. Balakrishnan Hall - 1		3D AND TECHNOLOGY	
Chairman 1 :- Dr. T.C. Jayakumar			Chairman 2 :- Dr. Gautam Jain		
Time	Abstract ID	Topic	Author	Presenter	Inst/Org/Company
10:00-10:10	OPAI 2024- 117	3D PRINTING-RAISING STANDARDS IN THE FIELD OF PROSTHETICS AND ORTHOTICS	Mr. G. Pandian	Ms. Ashwathy Nair Ms. Rashika Dixit	PDUNIPPD, NEW DELHI
10:10-10:20	OPAI 2024- 152	DESIGN AND FABRICATION OF CUSTOM 3D ORTHOTIC INSOLE USING ARTIFICIAL INTELLIGENCE (AI) TOOLS:A FEASIBILITY STUDY	Mr. Dhinesh V Mr. Om Prasad Biswal	Mr. Dhinesh V Mr. Om Prasad Biswal	CMC, VELLORE
10:20-10:30	OPAI 2024- 199	NEXT-GEN PROSTHETIC AND ORTHOTIC DEVICES:EXPLORING THE SYNERGY OF PHOTOGRAMMETRY, ADVANCED SCULPTING, CAD-CAM AND 3D PRINTING	Mr. Bapina Kumar Rout	Aman Mishra	SVNIRTAR, CUTTACK
10:30-10:40	OPAI 2024- 150	DEVELOPMENT OF A PORTABLE, INDIGENOUS 3-D LASER ALIGNER FOR ANALYSIS OF PROSTHETIC & ORTHOTIC ALIGNMENT & MEASUREMENT	Mr. Sanjib Bhattacharjee Mr.Hasan Arif Raihan	Ritwik Bhattacharyya	NILD, KOLKATA
10:40-10:50	OPAI 2024- 196	EFFORTLESS STRIDE: REDEFINING KNEE MOBILITY WITH ADVANCED SEAMLESS ROLL AND GLIDE TECHNOLOGY	Dr.UttaraDeshmukh	SachinSureshKawankar	MGMIUDPO, NAVI MUMBAI
10:50-11:00	DISCUSSION				
Tea Break from 11.00 to 11.30 Hrs					

DAY 3 (11.2.2024)

Scientific Session 10		Dr. A. Balakrishnan Hall - 1		UPPER LIMB PROSTHETICS	
Chairman 1 :- Dr. P.K. Lenka			Chairman 2 :- Dr. M C Dash		
Time	Abstract ID	Topic	Author	Presenter	Inst/Org/Company
11:30-11:40	OPAI 2024- 206	A CASE STUDY ON EFFECTIVENESS OF FUNCTIONAL SWITCH CONTROL THREE DEGREE FREEDOM MYOELECTRIC SHOULDER DISARTICULATION PROSTHESISIN CASE OF AMELIA OR OTHER CONGENITAL TRANSVERSE DEFICIT OF UPPER LIMBS CHILDREN	Shambhu KumarYadav	Shambhu KumarYadav	BORN LIFE, LAJPAT NAGAR, NEW DELHI



11:40-11:50	OPAI 2024- 297	A REVIEW OF TECHNOLOGY AND CHALLENGES OF UPPER LIMB PROSTHESIS FOR IMPROVED USER SUITABILITY	Dr RAJENDRA KUMAR	Dr RAJENDRA KUMAR	ENDOLITE INDIA, NEW DELHI
11:50-12:00	OPAI 2024- 304	USE OF GYROSCOPE IN MULTIPLE FINGER MOVING MYO ELECTRIC HAND	Dr. J. Indra	Mr. B.B. Mohanty	SURYA ALC, COIMBATORE
12:00-12:10	OPAI 2024- 265	MEETING THE PRECISION NEEDS: ANALYZING DEMAND FOR BELOW ELBOW PROSTHESES IN JAVELIN THROWING AMONG INTERNATIONAL ATHLETES	Dr.Rashmiya M	Dr.Agendra Kumar Dr.Anupriya	Ideal Artificial limbs Solution, Lajpat Nagar, New Delhi
12:10-12:20	OPAI 2024- 282	LOW COST BODYPOWERED WRIST DRIVEN PARTIAL HAND PROSTHESIS	DR. P.K.LENKA Mrs.Poly Ghos Mr.Hasan ArifRaihan	Kahkashan Parween	NILD, KOLKATA
12:20-12:30	DISCUSSION				
Lunch Break 13.00 to 14.00					

DAY 3 (11.2.2024)

Scientific Session 11	Dr. A. Balakrishnan Hall - 1	LOWER LIMB ORTHOTICS
Chairman 1 :- Dr. Herald Felix Xavier		Chairman 2 :- Dr. Vimal Oberoi

Time	Abstract ID	Topic	Author	Presenter	Inst/Org/Company
14:00-14:10	OPAI 2024- 200	USE OF PLANTAR PRESSURE SCAN AND PEDORTHOTICS/ FOOTWEAR IN DIABETIC PATIENTS	Fayzan AhmadDar R Mithun	Fayzan AhmadDar R Mithun	FootSecure
14:10-14:20	OPAI 2024- 207	AETHER DIGITAL PLATFORM (Remote digital therapy platform)	Mr.Praveen Dubey Ms. Shruti Wadhwa	Mr.Praveen Dubey Ms. Shruti Wadhwa	Aether Biomedical-Lajpat, Nagar, NewDelhi
14:20-14:30	OPAI 2024- 250	CONGENITAL TIBIAL BOWING IN PEDIATRIC PATIENT & CURRENT ORTHOTIC TREATMENT PRACTICES - A CASE STUDY	Mrs. POLY GHOSH Mr. DHRUTI SUNDAR DAS Dr. P .K. LENKA	MURSHIDA E K SMRITI SINHA	NILD, KOLKATA
14:30-14:40	OPAI 2024- 301	PROSTHESIS, ORTHOSIS AND ASSISTIVE TECHNOLOGY CAN IMPROVE THE QUALITY OF LIFE OF PARTICIPATING CHILDREN WITH DISABILITIES IN THE EARLY INTERVENTION PROGRAM: A SYSTEMATIC REVIEW	Aratatan Patra	Aratatan Patra	NILD, KOLKATA
14:40-14:50	OPAI 2024- 160	EVIDENCE BASED PRACTICE ON SELECTION OF FOOTWEAR: A LITERATURE REVIEW	Mr. Parthasarathi Swain	Ms. Antra Srivastava Ms. Sanvi Singh	NIPMED, CHENNAI
14:50-15:00	DISCUSSION				
Tea Break from 15.00 to 15.30 Hrs					
Validictory Session from 16.00 Hrs onwards in Dr. A. Balakrishnan Hall -1					



DAY 3 (11.2.2024)

Scientific Session 17		Dr. T P Mirajkar Hall- 2		EDUCATION	
Chairman 1 :- Dr. Rajendra Kumar			Chairman 2 :- Dr. K. Hariram		
Time	Abstract ID	Topic	Author	Presenter	Inst/Org/Company
9:00-9:10	OPAI 2024- 158	EFFECTIVENESS OF P&O SERVICES PROVIDED BY PDUNIPPD	Mr. G. Pandian, Assistant Professor	Ms. Liwanshi Presenter Mr. Tushar	PDUNIPPD, NEW DELHI
9:10-9:20	OPAI 2024- 310	DISABILITY PROFILING SURVEY IN TRIBAL VILLAGES ACROSS RAIGAD DISTRICT, WITH FOCUS ON LOCOMOTOR DISABILITIES	Uttara Desmukh	Uttara Desmukh	MGMIUDPO, NAVI MUMBAI
9:20-9:30	OPAI 2024- 314	ARTIFICIAL INTELLIGENCE: REVOLUTIONIZING O&P SECTOR	SMITA NAYAK	SMITA NAYAK	PDUNIPPD, NEW DELHI
9:30-9:40	OPAI 2024- 186	CHALLENGES AHEAD TO THE NEXT GENERATION OF P&O	Rajendra Kashelkar	Rajendra Kashelkar	SVNIRTAR, CUTTACK
9:40-9:50	OPAI 2024- 132	STATIC BAROPEDOMETRY AND ANALYSIS OF GAIT PARAMETERS WITH LUMBO-HIP-KNEE-ANKLE -FOOT ORTHOSIS IN SPINAL BIFIDA	Dr. Rajesh Kumar Mohanty	Miss. Rimple Lora Miss. Abinaya K	SVNIRTAR, CUTTACK
9:50-10:00	DISCUSSION				

DAY 3 (11.2.2024)

Scientific Session 18		Dr. T P Mirajkar Hall- 2		LOWER LIMB PROSTHETICS	
Chairman 1 :- Dr. Momocha K. Singh			Chairman 2 :- Dr. Swagatika Mishra		
Time	Abstract ID	Topic	Author	Presenter	Inst/Org/Company
10:00-10:10	OPAI 2024- 129	APPLICATION OF CONTROL STRATEGIES AND MACHINE LEARNING TECHNIQUES IN PROSTHETIC KNEE	Dr. Rajesh Kumar Mohanty	Sakshi Sharma	SVNIRTAR, CUTTACK
10:10-10:20	OPAI 2024- 134	COMPARISON BETWEEN RANGER AND DYNAMIC RESPONSE FOOT ON GAIT AND BALANCE IN UNILATERAL TRANSTIBIAL AMPUTEES	Dr. Rajesh Kumar Mohanty	Mr. Ratikanta Patra	SVNIRTAR, CUTTACK
10:20-10:30	OPAI 2024- 223	IMPORTANCE OF COSMETIC COVERS IN PROSTHETICS	Mr. G. Pandian	Ms. Khushi	PDUNIPPD, NEW DELHI
10:30-10:40	OPAI 2024- 237	TRANSTIBIAL PNEUMATIC PROSTHETIC LINER WITH ACTIVE VOLUME COMPENSATION	Acchyut Krishan Narain	Acchyut Krishan Narain	NRU Lucknow

10:40-10:50	OPAI 2024- 236	A COMPREHENSIVE ANALYSIS OF DIFFERENT TYPES OF CONTROL MECHANISM IN PROSTHETIC KNEE JOINTS	Mr. Mohit Gupta Ms. Smita Nayak	Mr. Shashank Tomar	PDUNIPPD, NEW DELHI
10:50-11:00	DISCUSSION				
Tea Break 11.00 to 11.30					

DAY 3 (11.2.2024)

Scientific Session 19		Dr. T P Mirajkar Hall- 2		UPPER LIMB ORTHOTICS	
Chairman 1 :- Dr. K. Manoharan			Chairman 2 :- Dr. Sanket Kumar Rout		
Time	Abstract ID	Topic	Author	Presenter	Inst/Org/Company
11:30-11:40	OPAI 2024- 311	MYOELECTRIC ELBOW WRIST HAND ORTHOSIS FOR PATIENTS WITH NEUROMUSCULAR DISORDERS FABRICATED USING ADDITIVE MANUFACTURING TECHNOLOGY	Lukeshkumar Rajendra Bhuyar	Nikhil H. Dongre	AIPMR
11:40-11:50	OPAI 2024- 315	THE REVIEW OF ORTHOTIC TREATMENT FOR THE PRIMARY PREVENTION OF COMPUTER WORK RELATED CARPAL TUNNEL SYNDROME (CTS)	Shivani Sharma	Shivani Sharma	PDUNIPPD, NEW DELHI
11:50-12:00	OPAI 2024- 308	SMART INSOLES A REVOLUTIONARY INNOVATION IN THE FIELD OF ORTHOTICS: A REVIEW	Yashika Kumar Bhatt	Rukhsana	ISIC
12:00-12:10	OPAI 2024- 204	A COMPARATIVE ANALYSIS BETWEEN THE EFFICACY OF STATIC NEUTRAL WRIST SPLINT AND COCK - UP SPLINT FOR PERSONS WITH CARPAL TUNNEL SYNDROME	SMITA NAYAK	GANESH P	KAHER
12:10-12:20	OPAI 2024- 309	EFFICACY OF MODIFIED SPLINT DESIGN WITH NEUROPHYSIOLOGICAL APPROACH ON GRIP AND FUNCTION IN PEOPLE WITH STROKE : A PILOT STUDY	Yashika Kumar Bhatt	Ankit Kumar	ISIC
12:20-12:30	DISCUSSION				
Lunch Break 13.00 to 14.00					

DAY 3 (11.2.2024)

Scientific Session 20		Dr. T P Mirajkar Hall-2		ASSISTIVE TECHNOLOGY	
Chairman 1 :- Dr. Rajesh Kumar Mohanty			Chairman 2 :- Dr. P. Ramesh		
Time	Abstract ID	Topic	Author	Presenter	Inst/Org/Company
14:00-14:10	OPAI 2024- 238	ADVANTAGE OF DISTALLY PLACED SPRING CABLE FOR LOCKING AND UNLOCKING OF DROP LOCK KNEE JOINT IN MODULAR KNEE ANKLE FOOT ORTHOSIS IN POLIO PATIENT	SRISTY JOSCY AMISHA BHARTI	SRISTY JOSCY AMISHA BHARTI	NILD, KOLKATA
14:10-14:20	OPAI 2024- 108	STAIR CLIMBING WALKER: AN EXPERIMENTAL APPROACH	Mr. G. Pandian, Assistant Professor	Ms Leena Mr. Nitin	PDUNIPPD, NEW DELHI
14:20-14:30	OPAI 2024- 124	MODIFIED CANE WITH PORTABLE SEAT	Mr Sohan pal Ms Simranjeet Kaur	Ms Simranjeet Kaur Mr Sohan Pal	VMMC, NEW DELHI
14:30-14:40	OPAI 2024- 197	DESIGN AND DEVELOPMENT OF MODIFIED CP CHAIR WITH RECLINING BACK	Ms. SakshiThakkar Dr.GauriPanse	Ms. SakshiThakkar Dr.GauriPanse	MGMIUDPO, NAVI MUMBAI
14:40-14:50	OPAI 2024- 209	THE INTERDEPENDENCE - HUMAN ACTIVITY ASSISTIVE TECHNOLOGY MODEL (I-HAAT): A CONCEPTUAL APPROACH	Dr.SanketKumarRout	Dr.Shaurya Mohapatra Dr.DeepakGupta	CIRS
14:50-15:00	DISCUSSION				
Tea Break from 15.00 to 15.30 Hrs					
Validictory Session from 16.00 Hrs onwards in Dr. A. Balakrishnan Hall -1					

DAY 3 (11.2.2024)

Scientific Session 26		Dr. Amarson Hall -3		LOWER LIMB PROSTHETICS	
Chairman 1 :- Dr. Susanta Kumar Mohanty			Chairman 2 :- Dr. Hema chawala		
Time	Abstract ID	Topic	Author	Presenter	Inst/Org/Company
9:00-9:10	OPAI 2024- 181	MULTIMORBIDITY CHALLENGES IN THE PHYSICAL ACTIVITY OF LOWER LIMB LOSS PATIENTS- A PILOT STUDY	Mrs. Priyadarsini Monalisha Dash	Mrs. Priyadarsini Monalisha Dash	SVNIRTAR, CUTTACK
9:10-9:20	OPAI 2024- 218	IMPACT OF MODIFIED ORTHOPROTHESIS ON QUALITY OF LIFE IN CONGENITAL FEMORAL SHORTENING	Pran Kumar Banerjee, Dhruvi Sundar Das, Soumyadip Mondal	Neil Roy	NILD, KOLKATA
9:20-9:30	OPAI 2024- 231	STATIC MEASURES OF PLANTAR PRESSURE DISTRIBUTION IN UNILATERAL TRANSTIBIAL AMPUTEES	Dr. Rajesh Kumar Mohanty	Amulya Ratna Nayak Anupam Dusadh	SVNIRTAR, CUTTACK

9:30-9:40	OPAI 2024- 253	SACH FOOT ANKLE EXTENSION TO ALLOW USER TO ADJUST HEEL HEIGHT FOR DIFFERENT FOOTWEAR	Mrs SAIPRABHA MISHRA Dr. P.K LENKA	ARON THOMAS ISAAC MAMATHA S	NILD, KOLKATA
9:40-9:50	OPAI 2024-258	ENERGY EXPENDITURE ANALYSIS OF TWO VERSATILE MECHANICAL POLYCENTRIC PROSTHETIC KNEE JOINT GEOMETRIES - A SINGLE SUBJECT CONTROLLED EXPERIMENTAL STUDY	ekshmy Priya, Ms. Ritu Ghosh Mr. Riyaz Hussain	Mr. Naorem Dhanamani Singh	Mobility India
9:50-10:00	DISCUSSION				

DAY 3 (11.2.2024)

Scientific Session 27		Dr. Amarson Hall -3		UPPER LIMB PROSTHETICS	
Chairman 1 :- Dr. Raji Nagarajan			Chairman 2 :- Dr. Ramu Subramanian		
Time	Abstract ID	Topic	Author	Presenter	Inst/Org/Company
10:00-10:10	OPAI 2024- 106	MECHATRONICALLY DESIGNED TRANSRS RADIAL PROSTHESIS FOR VERY SHORT TRANS RADIAL RESIDUAL LIMB	Lukeshkumar Bhuyar	Aasawari Vinod Choudhary	AIPMR
10:10-10:20	OPAI 2024- 151	DEVELOPMENT OF AN EXTERNALLY POWERED MODULE FOR VERY SHORT BELOW ELBOW AND ABOVE ELBOW AMPUTEES WITH VOLUNTARY OPENING TERMINAL DEVICE	Mr. Hasan Arif Raihan Mrs. Poly Ghosh	Aratrik Kole	NILD, KOLKATA
10:20-10:30	OPAI 2024- 212	FEELING THE FUTURE : RESTORING SENSATION IN PROSTHETIC HAND	Mr. G. Pandian, Assistant Professor	Mr.PrakharSharma	PDUNIPPD, NEW DELHI
10:30-10:40	OPAI 2024- 213	REVOLUTIONISING UPPER LIMB PROSTHETICS: THE AI IMPACT	Mr. G. Pandian, Assistant Professor	Ms. Sana Abbasi	PDUNIPPD, NEW DELHI
10:40-10:50	OPAI 2024- 217	WRIST DRIVEN PROSTHESIS FOR A PARTIAL HAND AMPUTEE	Mrs. Prachi Prava Pattnaik Shri. Aditya Alok Sahoo	Miss A. Pavithra	NIPMED, CHENNAI
10:50-11:00	DISCUSSION				
Tea Break from 11.00 to 11.30 Hrs					
Lunch Break 13.00 to 14.00 Hrs					
Tea Break from 15.00 to 15.30 Hrs					
Validictory Session from 16.00 Hrs onwards in Dr. A. Balakrishnan Hall -1					

XXVIIth National Conference of OPAI - 9th to 11th Feb- 2024 - Bengaluru

Color code of Scientific Session - OPAI 2024

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Topic	Session	Time	Hall Name	Color Code	
Lower Limb Prosthetics Day - 1, 09.02.2024					
	Session 1	09.00 - 10.00	Dr. A. Balakrishnan Hall - 1		
	Session 4	15.30 - 16.30	Dr. A. Balakrishnan Hall - 1		
	Session 14	15.30 - 16.30	Dr. T P Mirajkar Hall- 2		
	Session 21	09.00 - 10.00	Dr. Amarson Hall -3		
Day - 2 - 10.02.2024					
	Session 6	10.00 - 11.00	Dr. A. Balakrishnan Hall - 1		
Day - 3 - 11.02.2024					
	Session 18	10.00 - 11.00	Dr. T P Mirajkar Hall- 2		
	Session 26	09.00 - 10.00	Dr. Amarson Hall -3		
Lower Limb Orthotics Day - 1, 09.02.2024					
	Session 3	14.00 - 15.00	Dr. A. Balakrishnan Hall - 1		
	Session 12	09.00 - 10.00	Dr. T P Mirajkar Hall- 2		
	Session 22	14.00 - 15.00	Dr. Amarson Hall -3		
Day - 2 - 10.02.2024					
	Session 15	09.00 - 10.00	Dr. T P Mirajkar Hall- 2		
	Session 24	09.00 - 10.00	Dr. Amarson Hall -3		
Day - 3 - 11.02.2024					
	Session 11	14.00 - 15.00	Dr. A. Balakrishnan Hall - 1		
Upper Limb Orthotics Day - 3, 11.02.2024					
	Session 19	11.30 - 13.00	Dr. T P Mirajkar Hall- 2		
Upper Limb Prosthetics Day - 2, 10.02.2024					
	Session 16	10.00 - 11.00	Dr. T P Mirajkar Hall- 2		
Day 3, 11.02.2024					
	Session 27	10.00 - 11.00	Dr. Amarson Hall -3		
	Session 10	11.30 - 13.00	Dr. A. Balakrishnan Hall - 1		

Topic	Session	Time	Hall Name	Color Code
Assistive Technology Day 3, 11.02.2024				
	Session 8	09.00 - 10.00	Dr. A. Balakrishnan Hall - 1	
	Session 20	14.00 - 15.00	Dr. T P Mirajkar Hall- 2	
Education Day - 2, 10.02.2024				
	Session 5	09.00 - 10.00	Dr. A. Balakrishnan Hall - 1	
Day - 3, 11.02.2024				
	Session 17	09.00 - 10.00	Dr. T P Mirajkar Hall- 2	
Spinal Orthotics Day 1, 09.02.2024				
	Session 13	14.00 - 15.00	Dr. T P Mirajkar Hall- 2	
Day 2, 10.02.2024				
	Session 25	10.00 - 11.00	Dr. Amarson Hall -3	
3 D and Technology Day 3, 11.02.2024				
	Session 9	10.00 - 11.00	Dr. A. Balakrishnan Hall - 1	
Technology Day 1, 09.02.2024				
	Session 23	15:30 - 16:30	Dr. Amarson Hall -3	
Corporate Presentation Day - 1, 09.02.2024				
	Session 2	11.30 - 13.00	Dr. A. Balakrishnan Hall - 1	
Day -2, 10.02.2024				
	Session 7	11.30 - 13.00	Dr. A. Balakrishnan Hall - 1	

Hall Details of Scientific Session - OPAI 2024

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Name of the Hall	Scientific Sessions
Dr. A. Balakrishnan Hall - 1	Scientific Sessions - 1 to 11
Day 1	01 to 04
Day 2	05 to 07
Day 3	08 to 11
Dr. T P Mirajkar Hall - 2	Scientific Sessions - 12 to 20
Day 1	12 to 14
Day 2	15 & 16
Day 3	17 to 20
Dr. Amarson Hall - 3	Scientific Sessions - 21 to 27
Day 1	21 to 23
Day 2	24 & 25
Day 3	26 & 27

