



Dr. APJ Abdul Kalam College Of Physiotherapy

Ongoing Projects :- (Faculty 34+ Students 37 =71)

Sr. No	Title	Investigator	Department
Faculty (34)			
1.	Effectiveness of cross over excitation overflow Induced by Intensive Repetitive PNF resistance training of sound Limb on Upper Limb Motor function in Stroke: A Randomized controlled Trial.	Dr. R. M. Singaravelan	Physiotherapy
2.	Effectiveness of Rood's concept to improve neurological function in Stroke Rehabilitation.	Dr. Ketaki Patani	COPT
3.	Compensatory stepping Training to Improve Balance Confidence and fall Prevention in older Adults with high risk of falls : Experimental study	Dr. Radha Bhattad	COPT
4.	Effects of neurodevelopmental technique on gait parameters in children with spastic diplegia.”	Dr. Mandar Malawade	COPT
5.	Effectiveness of Myofascial release and Maintained stretch on wrist flexors spasticity by assessing H reflex in patients with stroke- an Experimental Study.	Dr. Maheshwari Harischandre	COPT
6.	Effect of Pune Shoulder Rehabilitation Programme and Maitland Mobilization on range of Motion, Strength and Functional outcome in patients with adhesive causalities.	Dr. Vrunda R. Pawar	COPT
7.	Effect of Threshold Inspiratory Muscle Training device in Extubated Organophosphorus Poisoning Patients: A randomized controlled trial.	Dr. Vishnu Vardhan G.D.	COPT
8.	Establishment of normative values of star excursion balance test and correlation with isometric muscle strength in school children between age group of 6 to 14 years- A Novel Study.	Dr. Tejas Borkar	Pediatric Physiotherapy
9.	Combined Effect of Acu-tens (L14, SP6) and Breathing techniques on labor pain during active phase of first stage of labor among primigravid women: A Randomized controlled Trial.	Dr. M. Sangeetha	Physiotherapy
10.	Effectiveness of Retrowalking with Yoga Asanas Versus Yoga Asanas on Functional outcomes in Osteoarthritis of knee in Geriatric population	Dr. Deepti N. Wadhwa	Community Physiotherapy
11.	Effect of Chair Suryanamaskar with Strength Training on Functional Fitness in Community Dwelling Frail Older Adults	Dr. Nitin Suhas Nikhade	
12.	Effect of Sports specific training program on Physical, Physiological and Performance related Variables in Basket ball Players.	Dr. Pradeep Borkar	COPT
13.	Effect of Selective Cardiorespiratory Endurance and Plyometrics training on 800 meter Collegiate Athletes	Dr. Neeraj Kumar	Orthopaedic Physiotherapy
14.	Effectiveness of Respiratory Proprioceptive Neuromuscular Facilitation Techniques on Pulmonary Functions in Patients with Traumatic and Non Traumatic Spinal Cord Injury.	Dr. Komal D. Thorat	Neuro-Physiotherapy
15.	Effectiveness of sustained maximal inspiration along with Transcutaneous Electrical Nerve Stimulation in patients with malignant pleural effusion: A RCT.	Dr Sambhaji Gunjal	Cardiorespiratory Physiotherapy
16.	Effect of backpack load on energy expenditure in school children	Dr. Deepali Hande	Community Physiotherapy
17.	Bioethics among practicing physiotherapists in Maharashtra	Dr. Shrikant Sant	Community Physiotherapy
18.	Efficacy of the Structured Gait and Balance Training Programme Amongst Type II Diabetes Mellitus Patients With Walking Disorders Coming To Tertiary Care Hospital: A Randomized Clinical Trial	Dr. Sukhpreet Pabla ,	Orthopaedic Physiotherapy
19.	Effectiveness of Structured Physical Therapy Intervention Versus	Dr. Aditi Khot	Community



Directorate of Research, PIMS-DU

PRAVARA INSTITUTE OF MEDICAL SCIENCES (DEEMED UNIVERSITY)

	Conventional Therapy on Shoulder Dysfunction, Quality of Life and Fatigue level in Patients with Modified radical Mastectomy in a Rural Setup- A Randomized Clinical Trial		Physiotherapy
20.	Effectiveness of Tennis Specific Conditioning Program on Selective Fitness Variables among Tennis Players: A Randomised Controlled Trial.	Dr. Sai Chandrakant Vispute	Orthopaedic Physiotherapy
21.	Effectiveness of Structured exercise Program along with Mindfulness Meditation on Psychological Flexibility, Cardiovascular endurance and quality of life among undergraduate university students: A Randomized Controlled trial.	Dr. Madhur Kulkarni	Dr. APJAKCOPT
22.	Effectiveness of Cervical Transverse Glide Mobilization compared to Spinal Mobilization with Limb Movements on Pain, range of Motion and Functional outcomes in Individuals with Cervical Radiculopathy – A Single Blinded Randomized Controlled Trial	Dr. Tejas V. Suryavanshi	DR.APJAKC OPT
23.	Effect of Phonophoresis and Mobilization with TENS at nerve root level on pain and Function in Chronic Frozen shoulder : A Randomized control Trial.	Dr. Pankaj R. Jayswal	DR.APJAKC OPT
24.	Development validation and efficacy of a perioral stimulation device for preterm infants with feeding difficulties.	Dr. Tejas Borkar	DAPJAKCOP T
25.	Demographic profile of spinal Cord Injury (SCI) Patients admitted to Tertiary Care Hospital of Western Maharashtra.	Dr. Deepali Hande	DAPJAKCOP T
26.	Mirror Neuron and it's implication to improve hand function in Stroke Rehabilitation Randomized Clinical Trial	Dr. Ketaki Patani	DAPJAKCOP T
27.	Quality of Life in Patients with Diabetic Foot Ulcers coming to Comprehensive Diabetic Foot Care Centre of Pravara Rural Hospital: A cross Sectional Study.	Dr. Sukhpreet Pabla	DAPJAKCOP T
28.	Knowledge, Attitude and Experience of Bioethics in Physiotherapy Students of Pravara Institute of Medical Sciences (DU), Loni	Dr. Shrikant Sant	DAPJAKCOP T
29.	Perception of undergraduate Physiotherapy Students towards Objectively Structured Practical Examination (OSPE) checklist as a tool for assessment and learning Active Cycle of Breathing Techniques skill.	Dr. Madhur Kulkarni	DAPJAKCOP T
30.	Effect of virtual rehabilitation on functional outcome for wheelchair navigation in patients with spinal cord injury, pilot study	Dr Komal Thorat & Dr Sambhaji Gunjal	DAPJAKCOP T
31.	Effect of Mirror Neuron system based training and it's implication to improve hand function in Stroke rehabilitation -RCT	Dr. Ketaki Patani	DAPJAKCOP T
32.	Development and Validation of Palmar hand Rehabilitation device for Stroke Patients using A Patient- Driven Approach.	Dr. Ketaki Patani	DAPJAKCOP T
33.	EFFECT OF DIABETES MELLITUS ON FOOT BIOMECHANICS AND GAIT DYSFUNCTION IN PATIENTS WITH DIABETIC FOOT	Dr. Sukhpreet Pabla	DAPJAKCOP T
34.	A telephonic follow-up interview sheet for people with spinal cord injury in Rural India: a reliability and validity study.	Dr. Susan Jose	DAPJAKCOP T
Students Project – IMPT (37)			
35.	EFFECTIVENESS OF BETTER MANAGEMENT OF OSTEOARTHRITIS PROGRAM ON PAIN AND FUNCTIONS IN PATIENTS WITH KNEE OSTEOARTHRITIS: A RANDOMIZED CONTROLLED TRIAL	Saurabh Gaikwad	Community PT
36.	Physiotherapy undergraduate students perspectives on masters in physiotherapy in various fields: A Survey Based Study	Saurabh Gaikwad	Community PT
37.	Additive Effect of Abdominal Drawing-In Maneuver Combined With Respiratory Muscle Training on Pulmonary Functions Among Chronic Spinal Cord Injury Patients: A Randomized Controlled Trail	Gargi Aggarwal	Cardiorespi PT



38.	Electrical stimulation for people with guillain barre syndrome: A scoping review	Upasna Barthwal	Neuro PT
39.	EFFECT OF MY FIT TRAINER FOR BALANCE REHABILITATION IN CHRONIC STROKE PATIENTS: A CASE STUDY	Abhilasha Patil	Neuro PT
40.	Efficacy of lower trunk pnf with motor imagery on trunk stability and quality of life of spinal cord injury survivors :A randomized controlled trial	Upasna Barthwal	Neuro PT
41.	Effect of chest physiotherapist with early mobilization in preventing re intubation in critically ill patient : An experimental study	Dr Suryabhan Valmik Bhadange	Cardiorespi PT
42.	Effect of Muscle Energy Technique on pain,strength,ROM and functionality in Scapular Dykinesis- A Randomized Controlled Trial	Siddhi Vinod Parab	Orthopedic PT
43.	Effectiveness of Muscle Energy Technique versus Positional Release Technique Upper Trigger Points in Subjects with Non Specific Neck pain	Vishal Waghmare	Orthopedic PT
44.	To compare the effectiveness of Ring pilates and conventional Therapy in Primary dysmenorrhea-A Randomized Control Trial	Bhakti Ganesh kardile	Community PT
45.	Effectiveness of pelvic floor muscle training and progressive resisted exercises of hip muscles in stress urinary incontinence.- A RCT	Sonali Asolkar	Community PT
46.	Case study: Improve breathing pattern on Gullian Barr's Syndrome (GBS) with Orthopenea Patient	Dr Suryabhan Valmik Bhadange	Cardiorespi PT
47.	Reliability and validation of the MARATHI version of the Hospital Anxiety and Depression Scale (HADS)	Sonali Asolkar	Community PT
48.	Effectiveness of IASTM on plantar Fasciitis -A Case study	Bhakti Ganesh kardile	Community PT
49.	Short term effect of Manual Diaphragm Release on diaphragmatic mobility, maximum inspiratory capacity and functional outcome in patients with COPD: An Experimental Study	Sanika Ghodinde	Cardiorespi PT
50.	Effect of inspiratory muscle training on functional capacity, glucose control and heart rate recovery in physically inactive diabetic patients.	Shreya Tushar Gadre	Cardiorespi PT
51.	Effect Of Breath Stacking Technique After Exploratory Laparotomy: A RCT	Shaikh Nida Ajmal	Cardiorespi PT
52.	Prevalence of burden of care in caregivers of spinal cord injury patients- A survey	Mansi shah	Neuro PT
53.	Effect of Augmented Reality Game based Cognitive therapy to improve cognitive function, motor performance, hospital anxiety and depression in stroke patients.	Abhilasha Patil	Neuro PT
54.	Respiratory management in high cervical spinal cord injury patient	Shreya Tushar Gadre	Cardiorespi PT
55.	Effect of different body Positioning in Static Lung Volume in Mechanically Ventilated Organophosphorus Poisoning Patients	Sanika Ghodinde	Cardiorespi PT
56.	Effectiveness of chin tuck against resistance exercises shakers exercises along with oromotor rehabilitation in dysphagia after stroke- Randomized controlled trial	Mansi Shah	Neuro PT
57.	Effect of Motor Relearning Program along with Proprioceptive Neuromuscular Facilitation for improving functional mobility in stroke patients- A RANDOMIZED CONTROLLED TRIAL	Ruchira Kadam	Neuro PT
58.	A Combination Effect of Sensory Motor Training and Proprioceptive Neuromuscular Facilitation in a case of Peripheral Polyneuropathy Manifested by Foot drop - A case study.	Ruchira Kadam	Neuro PT
59.	Effects of supervised aerobic exercise program and Home based	Samruddhi	Community



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	aerobic exercise program on stress, sleep quality and quality of life in perimenopausal women:A RCT	Sanjay Murkey	PT
60.	Effect Of Neuromuscular Facilitation Exercises and Cognitive Sensory Motor Training on functional outcomes in Post Stroke Patients – A Randomized Controlled Trial	Asmita Kale	Neuro PT
61.	EFFECT OF RESPIRATORY PROPRIOCEPTIVE NEUROMUSCULAR FACILITATION ON CHEST EXPANSION, TRUNK STABILITY AND QUALITY OF LIFE IN STROKE PATIENTS - A RANDOMIZED CONTROLLED TRIAL	Shreya Ingale	Neuro PT
62.	Treatment of Bell’s Palsy by Combination of LASER and Kabat Rehabilitation : A Case Study	Asmita Kale	Neuro PT
63.	Effects of dry needling along with TENS on post stroke spasticity -a case report	Shreya Ingale	Neuro PT
64.	Effectiveness of a supervised group- based exercise program and Video-based home exercise program in sarcopenic geriatric population: A Randomized Controlled Trial	Prajakta Deshpande	Community PT
65.	Prevalence of Glossophobia in undergraduates and Postgraduates - An Online Survey	Prajakta Deshpande	Community PT
66.	Assessment of cognition in Indian senior citizens using the Marathi montreal cognitive assessment scale (MOCA)	Samruddhi Murkey	Community PT
67.	EFFECT OF COMPREHENSIVE OCULAR AND CERVICAL MUSCLE TRAINING ON PAIN, DISABILITY AND QUALITY OF LIFE IN INDIVIDUALS WITH NON- SPECIFIC NECK PAIN – A RANDOMIZED CONTROLLED TRIAL.	Muskan Agrawal	Orthopedic PT
68.	Effectiveness of Subtalar joint mobilization along with Foot core strengthening on pain and functional status in patients with plantar fasciitis: A randomized controlled trial.	Ketaki Patil	Orthopedic PT
69.	Rehabilitation Outcomes and Parameters Of Blood Flow Restriction Training In Osteoarthritis- A scoping Review	Ketaki Patil	Orthopedic PT
70.	Effect of Bodyweight exercise and Aerobic exercise on children with Down Syndrome -RCT	Harshada Bhalerao	Pediatric PT
71.	Recent Trends in Physiotherapy management on Childhood obesity - A scoping review	Harshada Bhalerao	Pediatric PT