

Srinivas University

Mangalore - India



Atomic Research Centre (ARC)

**Cardiopulmonary Assessment and Screening Domain: Covid – 19
Students**



M.Premkumar

Associate Professor

Institute of Physiotherapy

Srinivas University

1. Purpose of ARC:

To create an innovative and advanced Cardiopulmonary Assessment and Screening Domain: Covid – 19 Students.

2. Objective of ARC:

- The objective of this research centre is to provide a scientific communication medium to discuss the utmost advancements in the form of Cardiopulmonary Assessment and Screening Domain: Covid – 19 Students.
- To update and inculcate all advanced methods of Cardiopulmonary Assessment and Screening Domain: Covid – 19 Students.
- To train UG, PG students and Research scholars Cardiopulmonary Assessment and Screening Domain: Covid – 19 Students.

3. Description on Proposed Research:

Analysis of Cardiopulmonary Assessment and Screening Domain: Covid – 19 Students.

4. Expected Outcomes:

There will be improvement in Cardiopulmonary Parameters: Covid – 19 Students.

5. List of the Team Members:

Dr. M. Premkumar
Dr. Tamilalagan
Dr. Aishwarya Sonwane
Dr. Divya Patel

6. List of Working Papers:

- (1) Combined Effect of Constraint Induced Movement Therapy and Neural Mobilization Technique on Upper Extremity Function in Spastic Hemiplegic Patient – A Single Case Study
- (2) Comparison of Spencer Technique versus Myofascial Release on Pain and Range of Motion in Periarthritis Shoulder
- (3) Comparative Study on Active Release Technique versus Myofascial Release Technique for Upper Trapezius Muscle Spasm
- (4) Effect of modified constrained induced movement therapy on improving arm function in children with obstetric brachial plexus injury – a case study

7. List of related Published Papers in Journals, Proceedings, Book Chapters, Magazines by Coordinator & his/her Group year wise in APA format.

- (1) M. Premkumar, Amit Kiran, S. Rajasekar, & Ajay Kumar. (2022). Effect of Smartphone Assisted Cardiac Rehabilitation Self-Management (SACRSM) on Talk Test Value and Six Minute Walk Test Distance in Uncomplicated Cardio Vascular Disease (CVD) Patient – Single Case Study. *International Journal of Health Sciences and Pharmacy (IJHSP)*, 6(1), 62–71. <https://doi.org/10.47992/IJHSP.2581.6411.0081>
- (2) Parikh, H. (2021). Effect of Abdominal Resisted Exercises on Pulmonary Function Test Values in Different Temperatures During Summer and Winter Season in Healthy Female Subjects-Longitudinal Study. *Indian Journal of Physiotherapy & Occupational Therapy*, 15(3).
- (3) M.Premkumar, S.Jeya Preethi Angela, S.Kavitha, Benefit of stability exercise on swiss ball exercise along with treadmill walking in physiotherapy college girl students with PCOS symptoms – single group pre post design - IJPOT journal – accepted and in process of publication
- (4) M. Premkumar, Amit Kiran, S. Rajasekar, & Ajay Kumar. (2022). Cost Effectiveness and Functional Outcomes of Smartphone Cardiac Rehabilitation Assisted self-Management in Coronary Artery Disease Patients (SCRAM) – Systematic Review Protocol – wjmr journal – accepted and in process of publication
- (5) R.Shyam Sundar, M.Premkumar, K. Kartheeswari, Mohammed Ameer Hussain. Effect of Constrained Induced Movement Therapy on Functional Arm Reach Distance on Adult Hemiplegic Patients – A Pilot Study - IJPOT journal – accepted and in process of publication

- (6) Mohammed Ameer Hussain, M. Premkumar, S. Kavitha. Comparison of Spencer Technique Versus Myofascial Release on Pain and Range of Motion in Periarthritis Shoulder - wwjmrdr journal – accepted and in process of publication
- (7) Tamilalagan, M.Premkumar, K.Sangeetha , S.Kavitha. Telerehabilitation as a Tool Given on Physical Fitness and Quality of Life In Overweight And Obese College Students Amidst Covid 19 Pandemic – Single Group Pre Post Design - IJPOT journal – accepted and in process of publication
- (8) Madhuripu, M.Premkumar, Radhika Gopal.S, S.Kavitha. Effect of IFT With Anterior Glide versus Posterior Glide Joint Mobilisation Technique On Shoulder External Rotation Rom In Patients With Adhesive Capsulitis - Comparative Study - IJPOT journal – accepted and in process of publication
- (9) B. Pradeep Kumar, M.Premkumar. Comparative Study on Active Release Technique versus Myofascial Release Technique For Upper Trapezius Muscle Spasm - wwjmrdr journal – accepted and in process of publication
- (10) R. Muthupandikumar, R. Shyam Sundar, M.Premkumar, Mohammed Ameer Hussain. Effect of Flexibility Exercises with Muscle Energy Techniques in Improvement of Gait in Parkinson Patients – A Pilot Study - wwjmrdr journal – accepted and in process of publication
- (11) R. Muthupandikumar, R. Shyam Sundar, M.Premkumar, Mohammed Ameer Hussain. Effect of Modified Shoe with Motor Relearning Programme on Timed Up And Go Test Values and Gait Parameters in Chronic Stroke Patients – Comparative Study - IJPOT journal – accepted and in process of publication