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Title of the Thesis: COMPARISON OF CONVENTIONAL AND NOVEL IMMUNOLOGICAL

BIOCHEMICAL AND GENETIC BIOMARKES IN PATIENTS WITH RHEUMATOID ARTHRITIS

Place : PINDWARA (SIROHI)

Date of Issue 27 FEBRUARY 2023

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Title of the Thesis: **ROLE OF EXERCISE IN THE ABSORPTION AND RETENTION OF VITAMIN D AMONG
PROFESSIONAL ATHLETES WITH DEFICIENT OR INSUFFICIENT VITAMIN D LEVELS IN THE STATE OF KERALA - A COHORT STUDY**

At the Road (Rajasthan), Dated: **09 FEBRUARY 2022**

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RESEARCH ARTICLE

Anti-cyclic Citrullinated Peptide Antibody and Rheumatoid Factor in Rheumatoid Arthritis Patients: Evaluation of Clinical Relevance

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ABSTRACT

Rheumatoid Arthritis (RA) is a prevalent Systemic Autoimmune Disorder with varying degrees of morbidity and mortality. Immunoassays based on synthetic citrullinated peptide are highly successful for detecting auto antibodies against cyclic citrullinated peptide, which is a recent and highly specific marker for RA in addition to Rheumatoid factor (RF). C Reactive protein (CRP) levels are also linked to inflammatory processes in RA patients. This research attempts to investigate and compare the frequency and interaction of anti-cyclic citrullinated peptide antibody (ACCP), RF, and CRP in RA suspects. The aim of this research is to evaluate the role and critically assess the degree of sensitivity, precision, a positive and negative anticipating worth of ACCP & RF in rheumatoid arthritis patients. Specimens from RA people were assessed for RF, Anti-CCP and CRP by particular immunologic and also photometric assays. ACCP has a higher specificity for RA in the study, while RF has a higher degree of sensitivity. According to the findings of this review, while ACCP assays provide enhanced uniqueness for RA, RF has a higher degree of sensitivity. The combination of traditional and novel biomarkers may be useful in predicting and diagnosing medical conditions at an early stage, as a result, it is advised to use a combination of ACCP and RF for the diagnosis of RA, as it provides clinical sensitivity close to 100 percent.

Keywords: Rheumatoid Arthritis, Rheumatoid factor, Systemic Lupus Erythematosus, Anticyclic citrullinated peptide, Biomarkers.



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RESEARCH ARTICLE

Biomarkers for the Evaluation and Monitoring of Rheumatoid Arthritis - To make Things Real

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ABSTRACT

Introduction: One of the critical steps in RA patients' evolution is the identification and differentiation of the more severe symptoms of the disease by prognostic biomarkers for more systematic management of these cases. In order to guide clinical and therapeutic management of all phases of rheumatoid arthritis, biomarkers are critical because they can help predict disease progression in at-risk subjects, increase diagnosis by closing the serological gap, provide prognostic knowledge that is useful for making therapeutic decisions and assessing responses and effects of care, and allow for disease behaviour.

Objective: The study aims to assess the role and critically evaluates the sensitivity, precision, a positive and negative predictive value of various biomarkers in rheumatoid arthritis patients.

Methods: Blood samples from RA patients were analyzed for RF, Anti-CCP, and Anti-Ds DNA AND CRP by respective immunologic and photometric assays.

Results: Anti-Ds DNA had a high uniqueness for RA with a reasonably low level of sensitivity. The mix of anti-Ds DNA and anti-CCP may raise a level of sensitivity and might be useful as diagnostic markers for rheumatoid arthritis.

Conclusion: The combination of conventional and novel biomarkers can be beneficial in predicting and very early medical diagnosis, primarily due to the variety of scientific look and inconsistency in the distribution of biomarkers in various individuals.

Keywords: Rheumatoid Arthritis, Rheumatoid factor, Systemic Lupus Erythematosus, Anti cyclic citrullinated peptide, Biomarkers.



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Effects of Virtual Reality Based Training (VRBT) and Proprioceptive Training for Improving Dynamic Balance in Chronic Ankle Instability (CAI) Patients - A Comparative Study

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ABSTRACT

Chronic ankle instability (CAI) is defined as the tendency toward repeated ankle sprain and improper treatment, recurring symptoms like pain, weakness, giving way feet. CAI classified into mechanical ankle instability and functional ankle instability. Balance is most commonly affected in CAI due to loss of proprioception. To find out the effectiveness of virtual reality based training (VRBT) and proprioception training in CAI for improving dynamic balance, 30 CAI subjects were selected by talar tilt and anterior drawer test and 15 control in Group A-VRBT and 15 in Group B-proprioception training for 10 weeks. Pre-Post-test measure by star excursion balance test (SEBT) and foot and ankle disability index and Sport modules (FADI-S). Group A and Group B had improvement in dynamic balance and functional activity. Group A shows significant difference from group B in all outcome measures. The independent sample t-test in anterior p-value .000 less than .05, in P-L p-value .017 less than .05, in P-M p-value .032 is less than .05, and in FADI-S p-value .000 less than .05. Proprioception improved in both group as well as feedback, reaction time also increase in VRBT group. It was concluded that virtual reality based training is more effective than proprioception training for improving dynamic balance in chronic ankle instability.

Keywords: CAI, VRBT, Proprioception Training, Dynamic Balance, SEBT, FADI-S

INTRODUCTION

Bipedalism is the main form in human locomotion where a human move by means of legs with hand rising [1]. An ankle-foot complex is one of the most important region of a human body in bipedal locomotion and it is extremely complicated structure including bone, multi-articular muscle, tendons, and other soft tissues such as walking.



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Efficacy of Physiotherapy Management for Focal Occupational Dystonia (Musician's Cramp)

Mohan Kumar G¹, Jibi Paul¹, Senthil Nathan CV¹, Rajalaxmi V¹, Ramachandran S¹, Yuvarani G¹, Padmanabhan K¹, Mustafa Murtuza¹ and Vijay Selvan N²

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(Received: Jun 2018 Revised: Sep 2018 Accepted: Dec 2018)

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ABSTRACT

Introduction and Aim: Focal occupational dystonia is a common condition among the musicians. Focal occupational upper limb dystonia is characterized by involuntary muscle contractions that selectively interfere with the execution of specific motor tasks such as writing or playing a musical instrument, so it has become a big necessity to study and research on the exercise treatment of focal occupational dystonia.

Materials and Methods: The experimental study was conducted in the ACS general hospital, velappanchavadi, Chennai. 10 subjects of both the sexes were selected randomly for the study between the age group of 30-45 years. The subjects with chronic focal hand dystonia were included in the study. The subjects having any other pathology in and around the elbow and wrist region were excluded from the study. Patients who were uncooperative and sensitive to cold with peripheral nerve injury were also excluded. Visual Analogue Scale (VAS) and Arm Dystonia Disability Scale (ADDS) were used as outcome measures in this study.

Results: Significant differences were noted in the post-test values where the subjects had improved performance and reduction in pain.

Conclusion: Intervening focal occupational dystonia using stretching exercises and splint has resulted in good progression of the condition. Correct assessment of the stage of dystonia is important to establish a good treatment plan. Thus, from the above study, we concluded that the combined effect of stretching and splinting is effective in reducing pain and improving the functional activity of the upper limb.

Key Words: Focal occupational Dystonia, stretching, musician's cramp.

INTRODUCTION

Focal occupational dystonia is a common condition among the musicians. Focal occupational upper limb dystonia is characterized by involuntary muscle contractions that selectively interfere with the execution of specific motor tasks such as writing or playing a musical instrument, so it has become a big necessity to study and research on the exercise treatment of focal occupational dystonia (1-4). An extraordinarily large number of people play a musical instrument these days, which leads to an increase in the number of cases of these disorders. As a result, epidemiological studies have been carried out, which confirmed that this is a serious problem (5,6).

that 66% of pianists and 48% of string players had musculoskeletal disorders. These findings have been confirmed more recently, in 1997, by Ian Jones, who studied 56 international orchestras.

Any musician (professional, amateurs, cosignatories level students) who play a long period of time may suffer from performance related disorders. 29% of 22000 members of the music teachers National Association in the United States reported that they were affected and most of them suffering from upper limb disorders (7-11).

Occupational dystonia affects those who play a musical instrument and named usually according to the instrument to play upon (12-14). It was first described during the 18th century by the name



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Prevalence of Vitamin D Deficiency among Athletes in Kozhikode and Malappuram Districts of Kerala State - A Cross Sectional Study

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ABSTRACT

The objective of the study is to find the prevalence of vitamin D deficiency in athletes living in Kozhikode and Malappuram districts of Kerala State in India. 220 subjects belonging to age group 15-30 years old were screened for inclusion and exclusion criteria and 97 subjects were taken into the Cross-sectional study. Anthropometric assessment and Blood analysis for Vitamin D and Calcium was done on them and among them 73 subjects had insufficient/deficient Vitamin D level were the actual samples for cross-sectional study. The data collection spanned for 6 months (March - August 2018). Among 97 subjects screened, a general prevalence of 77% of Vitamin D insufficiency (<30 ng/ml) was observed in male and 71% among female athletes in selected districts of Kerala, India. Among this 73 subjects 27% had Vitamin D deficiency (< 20 ng/ml). Significant correlation between Vitamin D deficiency and serum calcium levels of the athletes was established with P value < .001. No statistically significant correlation between 25(OH)D levels and sun exposure, physical activity, practice area or anthropometric levels could be established. The study concluded that healthy male and female athletes in Kerala have a high prevalence of vitamin D deficiency. The results of this study suggest that there is a need for regular supplementation and vitamin D awareness campaigns for athletes in Kerala, India.



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The effect of curcuma longa extract and significance of mordant as an alternative for eosin in H and E: A comparative study

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ABSTRACT

Background and Aim: Hematoxylin and Eosin (H and E) staining is a common and routine staining method used in Histopathology. In origin, Hematoxylin is natural and Eosin is a synthetic dye. Synthetic dyes are widely accepted due to its staining efficiency. However, due to synthetic and toxic properties, natural alternatives have gained importance. In this present study, Curcuma Longa rhizome (Turmeric) extract with and without mordant are examined as a natural substitute for Eosin in H and E staining. This study assessed the staining quality of Turmeric (H and T) compared to Eosin (H and E) and the significance of mordant in H and T staining. **Materials and Methods:** A comparative study is conducted in a Histopathology laboratory in a tertiary care hospital. Five tissue specimens were collected and stained with H and T with mordant, H and T without mordant, and conventional H and E stain. Two independent pathologists examined the quality of each stain. The results are graded as excellent, good, and poor. These results are statistically compared and analyzed. **Result:** Staining quality of Turmeric and Eosin are comparable to each other. At the same time, Turmeric gives yellow color instead of pink in Eosin. The result also shows that the addition of mordant in Turmeric significantly improves the staining quality. **Interpretation and Conclusion:** Turmeric with mordant can be used as an alternative stain to synthetic Eosin in H and E staining.

KEY WORDS: Eosin, H and E, H and T, natural dyes, turmeric

INTRODUCTION

In the era of global warming and ecological crisis, the current global interest in using biodegradable materials and natural dyes/stains has evoked curiosity to explore its staining efficacy in various staining methods.^[1] Due to the nontoxic effects, various natural dyes are used for coloring textiles, drugs, cosmetics, etc. In Histopathology, various natural dyes such as Hematoxylin, Saffron, Carmine, etc., are used in different staining methods. Purified alcoholic extract of *Curcuma Longa* (*C. Longa*) is used as a natural alternative in different staining experiments. In 2014, Sachin Kumar *et al.*^[2] showed that purified ethanolic extract of *C. Longa*'s staining reaction is similar to Eosin except for its intense yellow color.

C. Longa (Turmeric) is a common spice used in curries and food additives, also used as a dietary pigment. *C. Longa* contains flavonoids, which are typically polyphenolic compounds. Phenols are acidic in nature; hence, *C. Longa* has the ability to stain the basic parts of the cell.^[3,4]

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Hematoxylin and Eosin (H and E) staining is the major morphological staining method used in Histopathology, which uses two dyes: Hematoxylin and Eosin. The nuclear stain Hematoxylin is a natural dye, whereas the cytoplasmic stain Eosin is synthetic in origin. Although

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This is to certify that Mrs: Susi A. has participated in the CME on 'Emerging Viral Threats: How Prepared are we II' organized by the Department of Microbiology, KMCT Medical College, Kozhikode on November 30th 2022 as delegate/guest speaker /presented a poster on topic:

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Dr. Lathi Nair
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Certificate of Participation

Mrs. DEESHMA P., KMCT COLLEGE OF ALLIED HEALTH SCIENCES.

This certificate is awarded for participation in the **Pre-Conference Workshop on Molecular Techniques and ISO 15189:2022 Documentation Requirements**, in association with **Molbio Diagnostics Pvt. Ltd.**, held on **August 12, 2023**, at **Hotel Woodies Bleisure, Calicut.**


Dr. SURESH KUMAR
CHAIRMAN, ICME


Dr. M. PRADEEP KUMAR
CHAIRMAN, ACADEMIC


Dr. VIPIN VISWANATH
CONVENER, ICME




Principal
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Kozhikode, Pin - 673602

Muthalam, Mukkam, Kozhikode - 673602

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Physiotherapy
MEMBER ORGANISATION



2nd NATIONAL IAP CORPORATE CONFERENCE 2022

Certificate of Participation

This is to certify that Dr. / Mr. / Ms. JOSMY THOMAS

participated as Professional / Delegate

In the 2nd National IAP Corporate Conference 2022 organized by The Indian Association of Physiotherapists
held on 15th & 16th October 2022 at Travancore International Convention Centre, Karyavattom, Trivandrum, Kerala, India.

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Central Organising
Chairperson

Dr. K.M. Aravamudan (PT)
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Secretary

Dr. Ruchi Varshney (PT)
Central
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Dr. Sreejith M Nampoothiri (PT)
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Dr. Jim Gopalakrishnan (PT)
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Certificate of Participation

This is to certify that Dr. / Mr. / Ms. Jasmy Thomas
has participated in Paper / Poster Presentation
for the Topic EFFECT OF YOGASANA AND MUSCLE ENERGY TECHNIQUE VERSUS
STRETCHING FOR HAMSTRINGS MUSCLE FLEXIBILITY and secured -----
in the 2nd National IAP Corporate Conference 2022 organized by The Indian Association of Physiotherapists
held on 15th & 16th October 2022 at Travancore International Convention Centre, Karyavattom, Trivandrum, Kerala, India.

Dr. Sangeetha K. J. Central Organising Chairperson
Dr. K.M. Anandakrishnan (PT) Central Organizing Secretary
Dr. Rasmi Varshney (PT) Central Treasurer
Dr. Sreedhith M. Manjupathil (PT) State Organizing Chairperson
Dr. Jani Suresh Babu (PT) State Organizing Secretary
Dr. Raju V. Jayaraman State Treasurer



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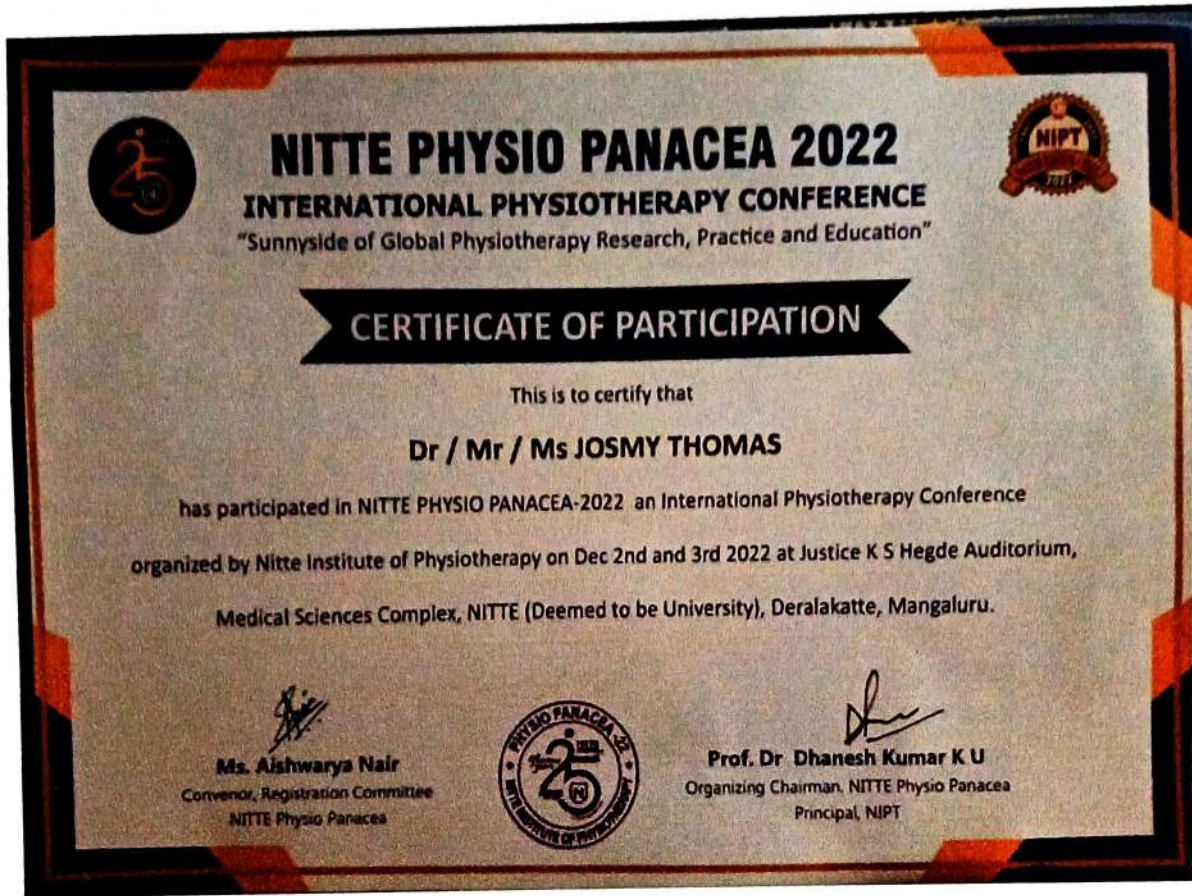
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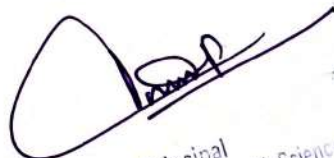


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CDMRP (COMMUNITY DISABILITY MANAGEMENT & REHABILITATION PROGRAMME)

A joint project of Department of Psychology,
University of Calicut & Social Justice Empowerment, Govt. of Kerala



4th Annual MULTI-DISCIPLINARY NATIONAL CONFERENCE ON DISABILITY & REHABILITATION

Theme: Clinical practice, Research, and Policy in
Neurodevelopmental Disorders: An update

Organized by
CDMRP, Department of Psychology,
University of Calicut

7th to 9th February 2020

Department of Psychology,
University of Calicut



CERTIFICATE

This is to certify that

BINISHA MM

has presented oral presentation on

**EFFECTIVENESS OF VESTIBULAR STIMULATION EXERCISE IN IMPROVING
BALANCE IN CHILDREN WITH SPASTIC DIPLEGIC CEREBRAL PALSY**

in the 4th Annual Multidisciplinary National Conference on Disability and Rehabilitation
on the theme 'Clinical Practice, Research and Policy in Neuro-developmental disorders: An Update'
organized by CDMRP, Department of Psychology, University of Calicut, Kerala
from 7th to 9th February 2020 held at Calicut University Campus.

Noufal Hameed
Academic Coordinator, AMNC 2020,
CDMRP, University of Calicut

Muhammed Favaz
Organizing Secretary AMNC2020,
CDMRP, University of Calicut

Prof. (Dr.) C. Jayan
Executive Director, CDMRP,
University of Calicut

Prof. (Dr.) K. Manikandan
Director, CDMRP,
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(A joint project of Department of Psychology, University of Calicut & Sector Justice Department, Govt. of Kerala)



**4th Annual
 MULTI-DISCIPLINARY
 NATIONAL CONFERENCE
 ON DISABILITY & REHABILITATION**

Theme: Clinical practice, Research and Policy in Neurodevelopmental Disorders: An update

Organized by
**CDMRP Department of Psychology
 University of Calicut**

7th - 9th February 2020

Department of Psychology
 University of Calicut



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Noufal Hamoed
Academic Coordinator, AMNC 2020,
 CDMRP University of Calicut



Muhammed Favaz
Organizing Secretary AMNC2020,
 CDMRP University of Calicut



Prof. (Dr.) C. Jayan
Executive Director, CDMRP,
 University of Calicut



Prof. (Dr.) K. Manikandan
Director, CDMRP,
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Certificate of Participation

DR. VIJAY SELVAN N

This certificate is presented to you for participating in the
Bangalore Sports Injury Conclave, 2023.

Chairing the Session on Acute AC Joint Injuries

Organised by Manipal Hospital Sarjapur Road



Date

21st May, 2023

Dr. Suja Vinay
Hospital Director



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INTERNATIONAL LEADERSHIP CONCLAVE **SUSTAINABLE LEADERSHIP**

CERTIFICATE OF PARTICIPATION

Mr/Ms/Dr/Prof VIJAY SELVAN M

*for his /her active and invaluable participation
during the International leadership Conclave on
"SUSTAINABLE LEADERSHIP"
jointly organized by JDT ISLAM College Of Physiotherapy
& Saxion University Of Applied Sciences, Kingdom Of
Netherlands, held on 7th November 2019 at
JDT ISLAM Campus,
Kozhikode-12*



THIERRY TARTARIN
(CO-ORDINATOR, MINDOR TOMORROW'S INDIA,
SAXION UNIVERSITY OF APPLIED SCIENCES,
KINGDOM OF NETHERLANDS)

C.P KUNHIMOHAMMED
(PRESIDENT, JDT ISLAM
EDUCATIONAL INSTITUTIONS,
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PM FOUNDATION & JDT ISLAM



WORKSHOP FOR CAREER COORDINATORS OF EDUCATIONAL INSTITUTIONS, KOZHIKODE DISTRICT

CERTIFICATE

Awarded to *Prof. N. Vijay Sekhar, H.O.D.*
..... *KMCT, SAHS*

for participating in the 'WORKSHOP FOR CAREER COORDINATORS OF EDUCATIONAL INSTITUTIONS, KOZHIKODE DISTRICT', held at JDT ISLAM CAMPUS ON 11th AUGUST 2018.

Kozhikode,
11th August 2018.

[Signature]
A P M MOHAMMED HANISH, IAS
CHAIRMAN, PM FOUNDATION
MANAGING DIRECTOR, KOCHHI METRO RAIL LTD.

[Signature]
C.P. KUNHIMHAMMED
PRESIDENT,
JDT ISLAM ORPHANAGE & EDUCATIONAL INSTITUTIONS.



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Conference for the physios by the physios

Hotel green park, Mapusa-Goa
20-22 January 2020

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in recognition of his/her outstanding contribution & excellence in the field of Physiotherapy

HONoured BY

Dr Shivraya Padhu
Former President, IAP

Prof Dr CK Senthil Kumar
Organizing Chairman

Dr Sanjiv K Jha
President-Executive, IAP (2017-2020)

Prof Dr Purnima Singh
Organizing Secretary

Dr Ketan Bhatikar
General Secretary, IAP (2017-2020)

In association with: Bethel Medical Mission Group, Bangalore



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58th ANNUAL CONFERENCE OF THE INDIAN ASSOCIATION OF PHYSIOTHERAPISTS



Date: March 6th to 8th, 2020 Venue: Confluence Resorts & Convention Center, Mahabalipuram, Chennai

Certificate of Appreciation

This Certificate of Appreciation is awarded to Dr./Mr./Mrs./Ms. PROF. VIJAY SELVAN, N.

in recognition of his sincere and valuable contribution as

Resource person / Session Chair / Judge / Moderator / Organizer

during the 58th Annual Conference of The Indian Association of Physiotherapists

(58th IAPCON 2020 - CHENNAI) held on March 6, 7 & 8 - 2020, Confluence Convention Center, Mahabalipuram, Chennai, Tamil Nadu.

This Certificate carries 30 Credit Points.

This educational program / conference has Credit Points from Tamil Nadu Dr.MGR Medical University

Dr. B. S. Desikamani
Organising Chairman

Scientific Partner:



Academic Partner:



Accommodation Partner:



Gift Partner:



Dr. M. S. Satish
Organising Secretary



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RV College of
Physiotherapy



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CERTIFICATE OF PARTICIPATION

This is to certify that

Dr/Mr/Mrs VIJAY SELVAN N

has participated in the workshop "MSK Careers in the UK" organized by
R V College of Physiotherapy in association with Healthshare
on 29th november 2022.

Mr Anand Parkunan
Clinical Director
Healthshare

Dr Sriraghunath S (PT)
Training & placement
officer, RVCP

Dr Pruthviraj R (PT)
Professor & Principal
RVCP



Principal
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MEMBER ORGANISATION



2nd NATIONAL IAP

CORPORATE CONFERENCE 2022

Certificate of Participation

This is to certify that **Dr. / Mr. /Ms. VIJAY SELVAN. N**

participated as Professional / Delegate

in the 2nd National IAP Corporate Conference 2022 organized by The Indian Association of Physiotherapists held on 15th & 16th October 2022 at Travancore International Convention Centre, Karyavattom, Trivandrum, Kerala, India

Dr. Sanjiv K. Jha
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Chairperson

Dr. K.M. Annamalai (PT)
Central Organising
Secretary

Dr. Ruchi Varshney (PT)
Central
Treasurer

Dr. Sreejith M Nampoothiri (PT)
State Organising
Chairperson

Dr. Jim Gopalakrishnan (PT)
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Certificate of Appreciation

This is to certify that Dr. / Mr. / Ms. Vijay Selvan N.

participated as Invited Speaker / Panelist / Judge / Chairperson

for the Event / Topic Faculty Presentation

In the 2nd National IAP Corporate Conference 2022 organized by The Indian Association of Physiotherapists held on 15th & 16th October 2022 at Travancore International Convention Centre, Karyavattom, Trivandrum, Kerala, India.

Dr. Sanjiv K. Jha
Central Organising
Chairperson

Dr. K.M. Annamalai (PT)
Central Organising
Secretary

Dr. Ruchi Varshney (PT)
Central
Treasurer

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NITTE PHYSIO PANACEA 2022 **INTERNATIONAL PHYSIOTHERAPY CONFERENCE** "Sunnyside of Global Physiotherapy Research, Practice and Education"



CERTIFICATE OF PARTICIPATION

This is to certify that

Dr / Mr / Ms VIJAY SELVAN N

has participated in NITTE PHYSIO PANACEA-2022 an International Physiotherapy Conference organized by Nitte Institute of Physiotherapy on Dec 2nd and 3rd 2022 at Justice K S Hegde Auditorium, Medical Sciences Complex, NITTE (Deemed to be University), Deralakatte, Mangaluru.

Ms. Aishwarya Nair
Convenor, Registration Committee
NITTE Physio Panacea



Prof. Dr. Dhanesh Kumar K U
Organizing Chairman, NITTE Physio Panacea
Principal, NIPT



Principal
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CERTIFICATE OF APPRECIATION


This is to certify that **Dr. VIJAY SELVAN N** Participated as a Plenary chairperson
at NITTE PHYSIO PANACEA-2022 an International Physiotherapy Conference organized by Nitte Institute
of Physiotherapy on Dec 2nd and 3rd 2022 at Justice K S Hegde Auditorium,
Medical Sciences Complex, NITTE (Deemed to be University), Deralakatte, Mangaluru.


Prof. Rakesh Krishna
Convenor, Plenary Sessions
NITTE Physio Panacea





Prof. Dr. Dhanesh Kumar K U
Organizing Chairman, NITTE Physio Panacea
Principal, NIPT




Principal
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CENTER OF EXCELLENCE IN BIOMECHANICS TNPESU




CERTIFICATE OF INDUSTRIAL TRAINING PROGRAMME

This is to certify that Mr/Ms. PROF. DR. VIJAY SELVAN - N of KMCT College of Allied Health Sciences, Kozhikode has Participated in "Industrial Training Programme" organised by Department of Sports Biomechanics & Kinesiology at Center of Excellence in Biomechanics at Tamil Nadu Physical Education and Sports University, Chennai on 25th & 26th November 2022.

Credit hours-12 hours


Organising Secretary
Dr. P. Rajinikumar




Principal
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JDT ISLAM COLLEGE OF PHYSIOTHERAPY



MOTOR RELEARNING PROGRAM IN STROKE REHABILITATION

This is to certify that Mr./Ms. Dr. VIJAY SELVAN has participated in the Hands on workshop on "Motor Relearning Program in Stroke Rehabilitation" organized by DEPARTMENT OF NEUROLOGY on 10th December 2022 at JDT Islam College of Physiotherapy, Vellimadukunnu, Calicut.

Total Credit Hours- 8 Hours

Dr. SAJEEVAN T
PRINCIPAL

DR. SULFIKAR ALI A
RESOURCE PERSON



Principal
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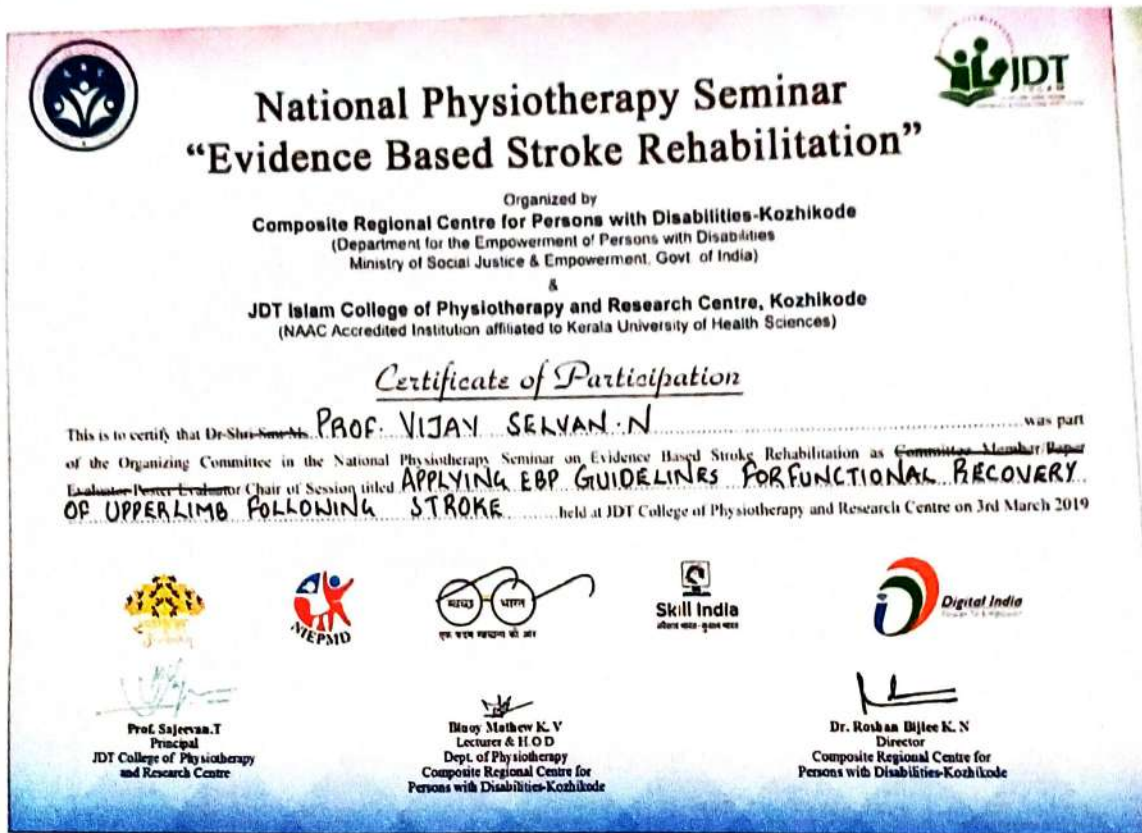
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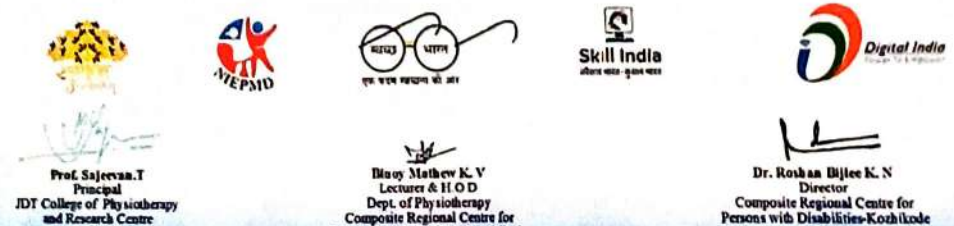
**National Physiotherapy Seminar
"Evidence Based Stroke Rehabilitation"**

Organized by
Composite Regional Centre for Persons with Disabilities-Kozhikode
(Department for the Empowerment of Persons with Disabilities
Ministry of Social Justice & Empowerment, Govt. of India)

&
JDT Islam College of Physiotherapy and Research Centre, Kozhikode
(NAAC Accredited Institution affiliated to Kerala University of Health Sciences)

Certificate of Participation

This is to certify that **Dr. Shri. Ms. PROF. VIJAY SELVAN N** was part
of the Organizing Committee in the National Physiotherapy Seminar on Evidence Based Stroke Rehabilitation as **Committee Member/ Paper
Evaluation/ Paper Evaluator** Chair of Session titled **APPLYING EBP GUIDELINES FOR FUNCTIONAL RECOVERY
OF UPPER LIMB FOLLOWING STROKE** held at JDT College of Physiotherapy and Research Centre on 3rd March 2019



Prof. Sajeevan.T
Principal
JDT College of Physiotherapy
and Research Centre

Binoy Mathew K.V
Lecturer & H.O.D
Dept. of Physiotherapy
Composite Regional Centre for
Persons with Disabilities-Kozhikode

Dr. Roshan Bijlee K. N
Director
Composite Regional Centre for
Persons with Disabilities-Kozhikode



**Kerala Association for
Physiotherapists Co-ordination (KAPC)**
(Regd. under Act XII of 1955 No. 680/10)

Certificate of Participation

This is to certify that **Dr./Mr./Ms. Prof. VIJAY SELVAN N**
Reg. No. has participated as Faculty / Delegate in the Continuing Physiotherapy
Education (CPE) Programme - **ASPIRE 2020** held on 19th January 2020 at Hotel Paramount Tower, Calicut,
Kerala.

Dr. Ashkar Ali PT
President - KAPC Calicut

Dr. Sreejesh M.S PT
Secretary - KAPC Calicut



Principal
KMCT College of Allied Health Sciences

Muthalam, Mukkam, Kozhikode - 673602
☎ 0495-2296522, 2986522, 9526013000

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Kozhikode, Pin - 673602




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SYMPOSIUM ON
"OVERVIEW OF RECENT APPROACHES AND ITS EVIDENCE IN NEURO REHABILITATION"
 Organized by
Department of Physiotherapy

 **KMCT**
COLLEGE OF ALLIED HEALTH SCIENCES
MANASSERY P.O., MUKKAM, KOZHIKODE - 673 602



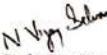
CERTIFICATE OF PARTICIPATION

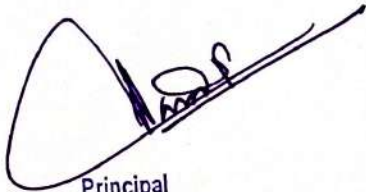
This is to certify that

Mr./Mrs./Dr. VIJAY SELVAN N

has participated as a student / delegate / chairperson in Symposium on "Overview of recent Approaches and Its evidence in Neuro Rehabilitation" held at KMCT College of Allied Health Sciences, Manassery, Mukkam on 7th April 2019.

Credit hours - 8

 Mr. Santheep Sankar Organizing Chairperson Director KMCT College of Allied Health Sciences	 Dr. R. Arunachalam Resource Person Professor & Principal, College of Physiotherapy, Madhav University	 Prof. Vijay Selvan N. Organizing Chairperson HOD-Physiotherapy Dept. KMCT College of Allied Health Sciences
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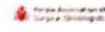
METASTASIS

30th Aug - 1st Sept 2019

MVRCCRI Campus, Kozhikode, Kerala



Sponsored by



Certificate

This is to certify that

VIJAY SELVAN N

has participated in **Physiotherapy Workshop** during **MVR CANCON 2019** held from 30th Aug to 1st Sept 2019 at MVRCCRI Campus, Kozhikode, Kerala.

Travancore-Cochin Medical Council has granted **6.0 (Six) Credit Hours** (Day 1: 3 Credit Hours + Day 2: 2 Credit Hours + Day 3: 1 Credit Hour) to this conference vide Letter No.: C2.2068/2019/MC/CME Dated: 24/08/2019.

Dr. Narayanankutty Warriar
Organising Chairperson

Dr. K V Sajeewan
Organising Secretary

Dr. Vijaygopal K S
Joint Organising Secretary

Dr. Dileep Damodaran
Joint Organising Secretary



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