Dr. M.Rajajeyakumar, MBBS, MD (JIPMER) MSc Yoga, CCEBDM (PHFI), ACME, FMERC Clinical Neurophysiologist, Assistant Professor, Department of Physiology, Trichy SRM Medical College Hospital & Research Centre- 621105.

On line-Invited Guest Lecture (17-05-2020)-Gauhati,

TORMP-2020, Assam. 3.30 pm to 4.30 pm

How to write a Research Paper- Step by step Approach

Dr.

M.Rajajeyakumar-Short

Biography

• I, Dr. M.Rajajeyakumar, completed MD Physiology at (JIPMER- An Institution of National Importance under the Ministry of Health & Family Welfare, Govt. of India).

• At present, working as Assistant Professor in Physiology, Trichy SRM Medical College and Research Centre, Tamilnadu.

• My teaching and research experience are more than 11 yrs. I published more than 115 research papers and serving as an editorial board member (32) and expert reviewer (20) of national and international indexed journals (Scopus/Web of science/

Pubmed) etc.

• I am working as International organizing Committee Member for 100 International

Conferences in the various countries like

USA, UK, Canada, Australia, France,

Japan, Russia, Italy, Dubai, Netherlands,

Malaysia, Singapore, South Africa,

Germany and Spain.

• I am working as an advisory Council member- Pure Action, Yoga is Medicine,

Austin, TX 78703, USA and ambassador -

International Bentham Science publishers,

UAE.

• I have received 17 awards national and international level and visited as honorable guest Speaker for following countries, USA, UK, Canada, Singapore, Dubai and Malaysia.

• Research interest: Neurophysiology, Biomedical Engineering, Yoga, Medical Education.

At the end of the session, target audience should be able to understand

- **How to choose the right and appropriate journal?**
- **Steps to write original research paper- outline ??**
- **Prepare checklist before submit**

the article to the journal.

Different types of research articles: 1.Original research article – Ethical Committee or Review board certificate- Human or animal study - Dissertation or thesis – Based on your objectives- Divide the research topics in to two or three. 2.Review article 3.Short review or short communication 4.Case study or case report 5.Editorial article 6.Opinion article 7.Letter to the Editor.

- Choosing the right and

appropriate journal (Early researchers)

1. Discipline or Subject area 2. Indexed (2019-20) / Impact factor-1 / - Quality of chosen research journal 3. Citation factor- Quality of chosen research paper 4. H index- Quality of author – research paper 5. Issue and volume duration(Monthly, Bi monthly, Quarterly, Bi yearly, yearly)

Choosing the right and appropriate journal (Advanced researchers)

- Web of Science/ Journal Citation Reports: Quality research journals
- Master Journal List: Quickly assess top

journals. To find and compare reputable journals

Choosing the right and appropriate journal (Advanced Researcher) Journal comparison- based on Journal Citation Reports (JCR)/ Web of science- Master Journal List https://mjl.clarivate.com/home.

Journal Citation Reports Indicators

Choosing the right and appropriate journal (Advanced Researcher)

• A. A. Impact metrics: 1.Journal Impact Factor: (JIF)

• The Journal Impact Factor for current year is defined as all cited items published in the previous two years, divided by the total number of citable items (original articles, reviews, and conference proceedings papers) published in the journal in the previous two years.

Choosing the right and appropriate journal (Advanced Researcher)

A.Impact metrics: 2. 5 Year Journal Impact Factor:

Choosing the right and appropriate journal (Advanced Researcher)

A.Impact metrics: 3.Aggregate Immediacy Index: indicates how quickly articles in a subject category are cited.

Choosing the right and appropriate journal (Advanced Researcher)

B. Influence Metrics: 1. Eigenfactor®: based on the number of times articles from the journal published in the past five years have been cited in the JCR year (Excluding self-citation). 2. Article Influence®:

• The Article Influence determines the average influence of a journal's articles over the first five years after publication. It

is calculated by multiplying the Eigenfactor by 0.01 and dividing by the number of articles in the journal.

• The mean Article Influence for each article is 1.00.

• A score greater than 1.00 indicates that each article in the journal has above-average influence.

• A score less than 1.00 indicates that each article in the journal has below-average influence.

Choosing the right and appropriate journal (Advanced Researcher) C. Source Metrics: 1. % articles in citable item, 2. JIF %

Choosing the right and appropriate journal (Advanced Researcher)

C. Source Metrics (Continue)----- 3.Cited Half-Life. Half of a journal's cited articles

were published more recently that the cited half-life. 4.Citing Half-Life. Half of a journal's citing articles were published more recently than the citing half-life. D. Other Metrics: 1.Citation Impact: The Citation Impact of a set of documents is calculated by dividing the total number of citations by the total number of publications. It can be applied at all organizational levels (author, institution, country/region, research field, or journal).

2.H-Index The h-index (also known as Hirsch index) For example, Researcher A has an h index = 13 if the researcher has published at least 13 documents for which he/she has received at least 13 citations.

The h-index can be applied to any level of

aggregation (author, institution, journal).

Choosing the right and appropriate journal (Advanced Researcher)

3.Documents in Q1 – Q4

Choosing the right and appropriate journal (Advanced Researcher)

3.Documents in Q1 – Q4 (continue)

Choosing the right and appropriate journal (Advanced Researcher)

Choosing the right and appropriate journal (Advanced Researcher)

Choosing the right and appropriate journal (Advanced Researcher)

Example: **Discipline or Subject area – Category** Biomedical Engineering

SRM

Electronic ISSN 1573-689X

urce
L

Abstracted and indexed in ACM Digital Library CNKI

Current Contents/Clinical Medicine DBLP EBSCO Academic Search EBSCO Biomedical Reference Collection EBSCO CINAHL EBSCO Discovery Service EBSCO Engineering Source EBSCO STM Source EMBASE EMCare Gale Gale Academic OneFile Google Scholar INSPEC Institute of Scientific and Technical Information of China Japanese Science and Technology Agency (JST) Journal Citation Reports/Science Edition Medline

Naver
OCLC WorldCat Discovery Service ProQuest Abstracts in New Technologies and Engineering (ANTE) ProQuest Advanced Technologies & Aerospace Database ProQuest Agricultural & Environmental Science Database ProQuest Aluminium Industry Abstracts ProQuest Biological Science Database ProQuest Biotechnology Research Abstracts ProQuest Central ProQuest Ceramic Abstracts ProQuest Civil Engineering Abstracts ProQuest Computer Science ProQuest Computer and Information Systems Abstracts ProQuest Copper Technical Reference Library ProQuest Corrosion Abstracts ProQuest Electronics and Communications Abstracts ProQuest Engineered Materials Abstracts ProQuest Engineering ProQuest Environmental Science ProQuest Health & Medical Collection Dronninet Haulth Daenorch Dromium Collection

ProQuest Healthcare Administration Database ProQuest METADEX (Metals Abstracts) ProQuest Materials Business File ProQuest Materials Science and Engineering Database ProQuest Mechanical and Transportation Engineering Abstracts ProQuest Medical Database ProQuest Natural Science Collection ProQuest Neurosciences Abstracts ProQuest Nursing & Allied Health Database ProQuest Pharma Collection ProQuest SciTech Premium Collection ProQuest Science Database ProQuest Solid State and Superconductivity Abstracts ProQuest Technology Collection ProQuest-ExLibris Primo ProQuest-ExLibris Summon Reaxys SCImago SCOPUS Science Citation Index Expanded (SciSearch) Semantic Scholar

LEGE
3211
OK2
IN

LESEARC LOVE TRIEN

The *Journal of Medical Systems* provides a forum for the presentation and discussion of the increasingly extensive applications of new information systems techniques and methods across all health care settings. It features six sections focusing on:

For authors

Submission guidelines

Ethics & disclosures

Contact the journal

- Mobile & Wireless Health . Quality Improvement
- Transaction Processing Systems
- Image & Signal Processing . Patient Facing Systems
- Education & Training

— show all

Submit manuscript

3211
OK2
OSPITER
Journal of Medical Systems (2019) 43:167 https://doi.org/10.1007/s10916-019-1312-7

PATIENT FACING SYSTEMS

NO

LOVE TRICK

SRM

SKILL

*A*n Efficient Cardiac Arrhythmia Onset Detection Technique Using a Novel Feature Rank Score Algorithm

Hemalatha Karnan'. N. Sivakumaran' - Rajajeyakumar Manivel?

Received: 5 March 2019 / Accepted: 25 April 2019

Abstract The interpretation of various cardiovascular blood flow abnormalities can be identified using Electrocardiogram (ECG). The predominant anomaly due to the blood flow dynamics leads to the occurrence of cardiac arrhythmias in the cardiac system. In this work, estimation of cardiac output (CO) parameter using blood flow rate analysis is carried out, which is a vital parameter to identify the subjects with left-ventricular anythinias (LVA). In particular. LV*A* is a resultant component of characteristic changes in blood rheology (blood flow rate). The CO is an intrinsic parameter derived from the stroke volume (SV) characterized by end-diastolic/systolic volumes (EDV/ESV) and heart rate. The pumping of blood from left ventricle (LV) reconciles in to R-R intervals depicted on ECG, which are used for heart rate estination. The deviation from the nominal values of CO implies that. the subject is more prone to LVA. Further, the identification of subjects with LVA is accomplished by computing the features from the ECG signals. The proposed Feature Ranking Score (FRS) algorithmn employs different statistical parameters to label the score of the extracted features. The feature score enables the selection optimal features for classification. The optimal features are further given to the Least Square- Support Vector Machine (LS-SVM) classifier for training and testing phases. The signals are acquired from public domain MIT-BIH arrhythmia data

base, used for validating the proposed technique for identifying the LVA using blood flow.

Keywords Blood flow - Electrocardiogram (ECG) . Feature ranking score (FRS) - Left ventricular arrhythmia (LVA)

Introduction

The recent study on disease burden and risk reveals the fact that leading individual causes of disability-adjusted life years (DALYS) were ischemic heart diseases and the risk factor for the same was high systolic blood pressure Dandona et al. [11]. Cardiovascular diseases [14] are increasingly growing leading

This article is part of the Topical Collection on *Patient Facing* Systems

global cause of deaths. The mortality rate in adults is increasingly influenced by the principal and predominant risk factor: the Hypertension. Cardiac Anhythmias are considered the clinical indexes of patients with hypertension. Left ventricular hypertro phy (LVH) is one of the major complications of hypert Sheldon et al. [27] target organ damage and ventricular athyth mias are a result of the same. The anatomical structure of the heart is in the manner of sequential compartmental blood loading through the different types of arteries and veins. The pre- and after-load of blood throughout the cardiac cycle is depicted by the ventricular chambers. The physiological perseverance of heart is illustrated by its electrical activity that is quantitatively estimated by a non-invasive diagnostic-tool the Electrocardiogram. Electrocardiography test is considered as the renowned non invasive cardiovascular malfunctioning detection method, be cause of its easy and simple handling. ECG denotes the collective functioning of the cardiac muscles. The ECG can be fragmented into various segments and intervals whose occurrence can be correlated with the electrical stimulation and mechanical physi ology of heart. The physiological and anatomical characteristics

Hemalatha Kaman hema.ae2012@gmail.com

N. Sivakumaran nsko nitt.edu

Rajajcyakumar Manivel rajakumar60@gmail.com

N

National Institute of Technology, Tiruchirappalli, India Department of Physiology Trichy, SRM Melical College Hospital & Rescarch Centre. Inungalur. Tiruchirappalli, India

Published online: 06 May 2019
Springer

The scientific format: a research paper outline:

1. Title, Authors name and number /grade /college and university

address/ 2.Corresponding Author details/ email id and phone number 3.Abstract: A short summary of the article and key words. 4.Introduction 5.Aims and Objectives: 6.Materials and Methods 7.Stastiscal analysis 8.Results

The scientific format: a research paper outline:

- Discussion and Conclusion
- Limitation and Recommendations
- Acknowledgement
- References- Vancouver Style.
- Tables
- Figures
- Appendix

Abstract (250-300 Words)

- **Background**
- **Aim**
- **Methods**
- **Results**
- **Conclusion**
- **Keywords- 3-8 words- should in aphetically arranged**

3211
OK2
OSPITER
NALOF
LOURN
ISSN-2320-6039 (Print) @ ISSN - 2320-608X (Electronic)
Volume 8 Number 1 January March 2020
NO
RENGARE
UN TRICK
NALJO
SRM
SKILL
ERNATI
100
0701SN
VINI
190
2013

INTERNATIONAL JOURNAL OF PHYSIOLOGY

Website: www.ijop.net

3211
OK2
OSP*ITER*

NO

DOI Number: 10.5958/2320-608X.2020.00019.0

Mind Mapping Applied as a Pedagogical Tool for MBBS Students

OF TRIER
SRM
SKILL

Shyma PI, Jai Prakash, Nandkishor, Rajajeyakumar M *'Associate Professor, Department of Physiology, Professor & Head, Pharmacology, Statistician, Community Medicine. The Oxford Medical College, Hospital and Research Centre, Bangalore, Assistant Professor, Department of Physiology, Trichy SRM Medical College Hospital & Research Centre (Affiliated by The Tamilnadu Dr. MGR Medical University, Chennai)*

Abstract

Background: To assess efficacy of mind mapping technique in lecture classes versus traditional didactic lectures on immediate and long-term memory.

Materials & Method: 150 First MBBS students, randomized into two groups (75 each), by simple random technique (odd roll number-group 1, even roll number-group 2). Study group (Mind mapping group) Control Group (didactic lecture /non mind mapping group).Batches reversed for another topic to address ethical issues.MCQ test was taken after class for short term memory, after a month for long term memory.

Results: Descriptive and inferential statistics (paired t test and independent t test) was used to compare the data. P value of Mind Mapping group when compared to Non Mind Mapping group in terms of both short term and long term memory was highly significant ($p<0.0001$) for both topic 1 and 2. P value was not statistically significant when short term and long term memory of mind mapping group was compared. But highly significant p value ($p<0.0001$) was observed when short term and long term memory of Non Mind Mapping group was compared.

Conclusion: The performance of Mind Map Group is better than the Non Mind Map Group both in terms of short term and long term memory.

Mind mapping used as a pedagogical tool can improve the academic scores of students.

Keywords: *Didactic lectures, Mind Map, MBBS course, Pedagogical tool, Physiology examinations Reproducibility of concepts,*

Introduction:

• Provide relevant background, helpful information. ...

• Answer- why you have taken this study?

• Justification with reference number.

Aims and Objectives:

1. Primary Objectives 2. Secondary Objectives

Materials and Methods

1. Study type and design 2. Place 3. Duration 4. Study population 5. Sampling method 6. Sampling frame 7. Inclusion and exclusion criteria- Study groups and

control groups 8. Brief procedure

Parameters studied: 1. Demographic data 2. Anthropometric 3. Questionnaire 4. Quantitative or Qualitative parameters or variables

Statistical analysis:

• The data will be entered in Microsoft Excel. Both descriptive and inference statistical analysis are used to analyze the data. Data will be analyzed using the SPSS statistical program (IBM SPSS statistics 21). Appropriate test will be applied and P value less than 0.05 is considered as significant.

Results:

1. Title for table- Headnote 2. Table

3. Foot note:

Type Values of are Stastiscal expressed test as applied- Mean ±SD. Analysis done by Student's unpaired t-test. Expansion of abbreviation: BMI: Body mass index, P value :*P<0.05, **P<0.01, ***P<0.001

1 2

Results: Table

Results: Pie chart

Discussion:

- Interpret and describe the significance of your findings.
- Supportive evidence or references (previous literature -agree and disagree with your findings)
- Mechanism or justification for your finding with references

Conclusion:

Summarize your main points of evidence

Should not include any reference number.

Limitation: 1. Type of study and design 2. Sampling method 3. Sample size 4. Methodology – Inclusion of parameters or test 5. Lack of prior research studies on the topic 6. Measure used to collect the data 7. Cost 8. Cultural and other type of bias

Recommendation:

• Recommendations for further or future study

Acknowledgments

• Remember to thank the funding agency and

• Colleagues/scientists/technicians who might have provided

assistance.

References: Vancouver style:

Text

Book

References (Bibliography)

- Vancouver style: Journal

• Annexures: Attachment -Questionnaire

Prepare checklist before submit the article to the journal.

Submission:

• Read the finalized paper carefully.

• Check for accuracy of figures and captions.

• Are the figures correctly referred to in the text?

• Get feedback from advisor and colleagues.

• Provide a cover letter to the editor along with a brief paragraph highlighting the importance of this

work and names of possible

reviewers .

- Submit : Via online – Registration or email to journal editor
- Kindly attach -Copy right form and Ethical Committee certificate – for

human or animal original research

study.

Acknowledgment and Reference.

My sincere thanks to Anju Mehra, Manager- Research Analytics and trainer. Web of science (JCR).

3211
OK2
OSPITER

RUINGALES
SEARO
Lo TRICKY

SKILLS

+

Review affiliation Help colleagues find you.

Add co-authors We have co-authors suggestions.

ADD

REVIEW

Bus Internatie

dical Awards

FOLLOWING

Cited by

pit

MOND

Dr. Rajajeyakumar Manivel CHENNAI MEDICAL COLLEGE HOSPITAL & RESEARCH CENTER Verified email at srmuniv.edu.in - Homepage

Physiology Medical Education Yoga Biomedical engineering

All

Since 2015

YA

284

Citations h-index i10-index

TITLE

+

:

CITED BY

YEAR

80

2013

Effect of fast and slow pranayama on perceived stress and cardiovascular parameters in young health-care students VK Sharma, M Trakroo, V Subramaniam, M Rajajeyakumar, . . . International journal of yoga 6 (2), 104

D

Eff

2014

Effect of fast and slow pranayama practice on cognitive functions in healthy volunteers VK Sharma, M Rajajeyakumar, S Velkumary, SK Subramanian, . . . Journal of clinical and diagnostic research: JCDR 8 (1), 10

2013 2014 2015 2016 2017 2018 2019 2020

2015

Co-authors

EDIT

LEGE

3211

IN

MENGATAN

*

.

*

*

SKILL

20

11

-

15

RO

A Home

Questions

Jobs

Search for researchers, publications, and more

Add new

Rajajeyakumar Manivel ..I 16.02. MD

PHYSIOLOGY(JIPMER), MScYoga, CCEBDM (PHFI),FIME; FMERC · Edit

Add new research

Overview
Research
Experience New
Stats
Scores
Research you follow

About me

Edito

Current affiliation

Edito

Introduction MD Physiology and Research assistant from JIPMER. Published 114 papers, Editorial board member (110) and , Reviewer (44) of international journals. Invited Speaker USA, UK, Singapore, Dubai and Canada. Advisory Council member Pure Action USA. Special Editorial board award-J Psychol Psychothery-2016, UK. National Bharat Vikas Award- Excellence in Yoga, National Award for Best Assistant professor Medical Physiology and Yoga, Indian Health professional award. ISORD Young Scientist Award for Physiology, Psychology and Yoga. 120R. Indo-Australia combination -Awards-2017, -Outstanding Researcher and Bright Educator in Physiology. VIHA

Outstanding Clinician in Physiology-2018, Best Teacher and Young Researcher awar... Read more

Chennai Medical College Hospital and Research Centre

Location Chennai, India

Department Department of Physiology

Position Assistant Professor

Languages English - Hindi - TAMIL

Disciplines

Medicine) Waiting for response.cu-rity-ba.com...

IR HERHEHEHEHE

Add missing details about your affiliation Tell others about where you do your research.

3211
OSPITER

RUINGALES
LESEARC
LOVE TRIER

SRM

VSKILL

publons BROWSE

BR

COMMUNITY

COMMU

FAQ

Q

WEB OF SCIENCE

Researchers
Dr.M.Rajajeyakumar MD (JIPMER), MSC Yoga, CCEBDM (PHFI),ACME,, FMERC.

Dr.M.Rajajeyakumar MD (JIPMER), MSC Yoga,

CCEBDM (PHFI), ACME,, FMERC.

| Web of Science ResearcherID »

J-4217-2016

"RAJAJEYAKUMAR M, MANIVEL RAJAJEYAKUMAR, RAJAJEYAKUMAR MANIVEL, M.RAJAJEYAKUMAR" Assistant Professor - Physiology, Chennai Medical College Hospital & Research Centre (SRM Group),

PUBLICATIONS
TOTAL TIMES CITED
H-INDEX
VERIFIED REVIEWS
VERIFIED EDITOR RECORDS

99
7
1°
21
12

Summary

Research Fields

L. Metrics E Publications

BIOMEDICAL ENGINEERING CLINICAL MEDICINE COMPLEMENTARY AND ALTERNATIVE MEDICINE

Peer review

MEDICAL EDUCATION MULTI DISCIPLI NEURO PHYSIOLOGY PSYCHIATRY AND PSYCHOLOGY YOGA

Identifiers Web of Science ResearcherID ORCID

0000-0002-0772-7259

Dr.M.Rajajeyakumar Manivel

English

ORCID

Registry

Search

Connecting Research and Researchers

FOR RESEARCHERS

FOR ORGANIZATIONS

ABOUT HELP

Biography

Dr.M.Rajajeyakumar Manivel

ORCID iD

https://orcid.org/0000-0002-0772-7259

View public version

MD Physiology and Research assistant from JIPMER. Published 112 papers, editorial

board member (110) and , Reviewer (44) of international journals. Invited Speaker USA, UK, Singapore, Dubai and Canada. Advisory Council member Pure Action USA. Special Editorial board award -J Psychol Psychothery -2016, UK. National Bharat Vikas Award- Excellence in Yoga, National Award for Best Assistant professor Medical Physiology and Yoga, Indian Health professional award. ISORD Young Scientist Award for Physiology, Psychology and Yoga. I2OR. Indo-Australia combination -Awards-2017, -Outstanding Researcher and Bright Educator in Physiology. VIHA-Outstanding Clinician in Physiology-2018, Best Teacher and Young Researcher award- I2OR, 2019, FMERC-2019, INDIA. India's Most-Promising Consultant in Physiology" in Rula International Research Peace Awards 2019, Trichy.

Switch account >

Employment (3) ?

+ Add employment

It Sort

Display your id on other sites Public record print view Get a QR Code for your id

Chennai Medical College Hospital and Research Centre: Tiruchirappalli, Tamil Nadu, IN 2012-10-22 to present Assistant Professor (Physiology) Employment

bure A**lso known as**

Help