

JPR

Journal of Physiotherapy Research

V8 N2 MAY 2018
ISSN: 2238-2704

Catalog Card

N963 Journal of Physiotherapy Research [electronic resource] /
Scientific Communications Unit of BAHIANA – School of Medicine and Public
Health, 2018; 8(2). Salvador: BAHIANA – School of Medicine and Public
Health, 2018. [On-line].

Quarterly

Editorial
ISSN 2238-2704

Access Mode: <https://journals.bahiana.edu.br/>

1.Research. 2. Physiotherapy I. Scientific Communications Unit. II. BAHIANA –
School of Medicine and Public Health. III. Title: Journal of Physiotherapy
Research.

CDU: 615.82

Masthead

Journal of Physiotherapy Research. 2018;8(2)

Editorial Board

Editors-in-chief

Katia Nunes Sá – BAHIANA, Bahia, Brazil.
lattes.cnpq.br/4313045041004715 | ORCID: 0000-0002-0255-4379

Cristiane Maria Carvalho Costa Dias – BAHIANA, Bahia, Brazil
lattes.cnpq.br/9957165632171725 | ORCID: 0000-0003-1944-3154

Basic Research

Ana Francisca Ferreira – Universidade Salvador UNIFACS, Bahia, Brazil
lattes.cnpq.br/7806927052103778 | ORCID: 0000-0003-4161-9144

Wilton Remigio – Misericordia University, USA
lattes.cnpq.br/0324165981203493 | ORCID: 0000-0001-9804-085X

Public Health

Helena Fraga Maia – Universidade do Estado da Bahia, Brazil
lattes.cnpq.br/3511789945641814 | ORCID: 0000-0002-2782-4910

Katia Sueli Queiróz Silva Ribeiro – Universidade Federal da Paraíba, Paraíba, Brazil
lattes.cnpq.br/7564660473747042 | ORCID: 0000-0003-4647-6496

Neuropediatric Physiotherapy

Asir John Samuel – Maharishi Markandeshwar University, India
ORCID: 0000-0003-1747-0415

Sumaia Midlej – Universidade do Estado da Bahia, Brazil
lattes.cnpq.br/1348994510306322 | ORCID: 0000-0002-6013-8592

Physiotherapy in Pain Management

Abrahão Fontes Baptista – Universidade Federal do ABC Paulista, São Bernardo, Brazil
lattes.cnpq.br/3079253830583385 | ORCID: 0000-0001-7870-3820

Joyce Gomes-Osman – University of Miami, USA

Sports Physiotherapy

Adarlan Sharifat – University Putra, Malasia
ORCID: 0000-0003-4750-5797

Mehdi Kargarfard, University of Isfahan, Isfahan, Iran
ORCID: 0000-0002-6292-2241

Carlos Marcelo Pastre – UNESP, Ribeirão Preto, Brazil
lattes.cnpq.br/2761396544058606 | ORCID: 0000-0002-0213-6679

Orthopedic Trauma Physiotherapy

Beatriz Rodríguez-Romero – Universidad de A Coruña, Spain
ORCID: 0000-0002-3424-6901

Ulysses Fernandes Ervilha – Universidade de São Paulo, Brazil
lattes.cnpq.br/8008452405280965 | ORCID: 0000-0003-4528-4644

Neurofunctional Approach in Adults

Elen Beatriz Carneiro Pinto – BAHIANA / Universidade do Estado da Bahia, Brazil
lattes.cnpq.br/4395908702363702 | ORCID: 0000-0002-3424-6901

Jamile Vivas Costa – Universidad de A Coruña, Spain
lattes.cnpq.br/0691146090480998 | ORCID: 0000-0002-5026-9986

Valeska Fabiola Gatica Rojas – Universidad de Talca, Chile
ORCID: 0000-0002-5403-0657

Gerontology Physiotherapy

Clynton Lourenço Correa – Universidade Federal do Rio de Janeiro, Brazil
lattes.cnpq.br/4816882323293632 | ORCID: 0000-0001-6772-3113

Victor Hugo Bastos – Universidade Federal do Piauí, Piauí, Brazil
lattes.cnpq.br/9919663948518178 | ORCID: 0000-0001-7425-4730

Respiratory Physiotherapy

Fernanda Warken Rosa Camelier – Universidade do Estado da Bahia, Brazil
lattes.cnpq.br/5178884736999846 | ORCID: 0000-0003-2540-0142

Cardiovascular Physiotherapy

Giulliano Gardenghi, ENCORE/CEAFI, Goiás, Brazil
lattes.cnpq.br/1292197954351954 | ORCID: 0000-0002-8763-561X

Dermatofunctional Physiotherapy

Carina Oliveira dos Santos – Universidade do Estado da Bahia, Brazil
lattes.cnpq.br/2706364399325955 | ORCID: 0000-0003-1367-9326

Patrícia Froes Meyer – Universidade Potiguar, Rio Grande do Norte, Brazil
lattes.cnpq.br/6643166445073786 | ORCID: 0000-0001-9749-6839

Physiotherapy in Occupational Health

Maria Cláudia Gatto Cardia – Universidade Federal da Paraíba, Paraíba, Brazil
lattes.cnpq.br/4329421499954238 | ORCID: 0000-0001-5866-860X

Physiotherapy in Acupuncture

Rafael Vercelino – Universidade Federal de Ciências da Saúde de Porto Alegre, Rio Grande do Sul, Brazil
lattes.cnpq.br/9436345894577325 | ORCID: 0000-0003-2854-5769

Pelvic Floor Physiotherapy

Patrícia Lordélo – BAHIANA, Bahia, Brazil
lattes.cnpq.br/9129212330828507 | ORCID: 0000-0002-5487-3080

Adriana Saraiva – Universidade Federal da Bahia, Bahia, Brazil
lattes.cnpq.br/8301916983747615 | ORCID: 0000-0003-3658-6528.

Executive Editor

João de Deus Barreto Segundo
lattes.cnpq.br/5122278256574095 | ORCID: 0000-0002-4802-6045

Copydesk Editor / Art Director

Edileno Santana Capistrano Filho
lattes.cnpq.br/0480525467965157

The full list of ad hoc peer reviewees will be published in the last issue of this volume, in November/2018.

The Journal of Physiotherapy Research (JPR) is an Open Access Journal published to serve the international scientific community by providing high quality scientifically accurate original research reports, therefore it applies no article processing charge of any kind.

It is assumed that by submitting an article, the author is recognized as having the copyright to it and allows its free use by readers, and it can, in addition to being read, be downloaded, copied, distributed and printed.

The authors are responsible for content, spelling, grammar and punctuation.

Corresponding address:

BAHIANA - School of Medicine and Public Health
Scientific Communications Unit - SCU
Dom João VI Av., 275, Brotas
ZIP Code: 40290-000
(55 71) 3276-8246

This publication is sponsored by



Table of Contents

Editorial

- Motivations and challenges of physiotherapy researchers abroad.....** 06
Maira Izzadora Souza Carneiro, Lorena Melo, Águida Foerster, Kátia Monte-Silva

Original articles

- Analysis of neuropsicomotor development in children with congenital zika syndrome: cross-sectional study.....** 10
Monique Ornellas de Almeida Avelino, Priscila Correia da Silva Ferraz
- Socioeconomic aspects of genitors of children with microcefalia related to Zika Virus.....** 18
Amanda Estrela Gonçalves, Sibele Dayane Brazil Tenório, Priscila Correia da Silva Ferraz
- Correlation between functional performance and length of stay of neurosurgical patients in the intensive care unit.....** 30
Débora Ribeiro Paiva, Caroline Ferreira Guerreiro, Jorge Luís Motta dos Anjos
- Behavior of the functional independence domains in patients submitted to the revascularization of the myocardium during intensive care unit stay.....** 38
André Luiz Cordeiro, André Raimundo Guimarães, Thiago Araújo Melo, Jefferson Petto, Mansueto Gomes-Neto, Alinne Shannon
- Effect of group care in the quality of life and functional capacity of patients after stroke.....** 46
Hayre Santana Nascimento, Nildo Manoel da Silva Ribeiro
- Prevalence of signs and symptoms for Temporomandibular Disfunctions in boxers.....** 54
Yuri Santos Duplat, Achilles Motta Nunes
- Chronic obstructive pulmonary disease: daily life activity and quality of life.....** 62
Cássio Magalhães Silva, Abilio Costa Pinto Neto, Balbino Rival Ventura Nepomuceno Júnior, Helena Pereira Teixeira, Micheli Bernadone Saquetto, Adelmir Souza-Machado
- Hospitalizations work-related reported in the state of Bahia.....** 71
Wanessa Scavello Andrade, Kionna Oliveira Bernardes Santos
- A comparative study of the therapeutic efficacy of vertical oscillatory pressure and transverse oscillatory pressure in the management of chronic low back pain.....** 79
Oluwadare Akanni Ogundipe, Olufemi Opeyemi Ogundiran
- Comparison of the strength and resistance of inspirational muscles between assets and sedentary.....** 86
Francisco Tiago Oliveira de Oliveira, Jefferson Petto, Mateus de Souza Esquivel, Pedro Henrique Silva Santos, Ana Carolina Santana Oliveira, Roque Aras
- Costs comparison in different supply processes of respiratory physiotherapy materials in an extra public hospital.....** 93
Juliana Barbosa Goulardins, Cássio Stipanich, Marion Medeiros, Francisca Maria, Clarice Tanaka
- Physical exercise and reduction of postprandial lipemia: the influence of caloric expenditure.....** 102
Jefferson Petto, André Lemos de Souza Andrade, Vinícius Afonso Gomes, Marvyn de Santana do Sacramento, Alan Carlos Nery dos Santos, Ana Marice Teixeira Ladeia
- Influence of postural misalignment on blood pressure in hypertensive individuals: an exploratory cross sectional study.....** 111
Ana Lucia Barbosa Goes, Davi Mota de Jesus, Tiago Bastos Silva, Vinícius Cardoso Lago, Luis Agnaldo Pereira de Souza, Ana Marice Teixeira Ladeia

Frequency of burnout syndrome in a sample of intensivists physiotherapists.....	121
Fernanda Warken Rosa Camelier, Thaissa Bonina da Silva, Roberto Roberto Rodrigues Bandeira Tosta Maciel, Daniel Deivson Alves Portella, Antônio Carlos Magalhães Duarte, Magno Conceição das Mercês	
Case study	
TMS-guided physiotherapy reduces pain and induces plasticity in the motor cortex in chronic knee osteoarthritis.....	132
Lucy Chipchase, Abrahão Fontes Baptista, Maxine Te, Simon Summers	
Methods & Protocols	
Physiotherapeutic protocol applied in the immediate postoperative period for accelerated recovery of patients submitted to thoracic surgery at the Hospital Santa Marcelina (Brazil): randomized clinical trial.....	142
Andréa Oliver Gomes, Wendell Rodrigo Ramos, Cristiane dos Anjos Dalfior, Maria Gabriela Cavalcante, Igor de Abreu, Fernando Conrado Abrão	