Table of Contents

South African Journal of Physiotherapy

ISSN: 0379-6175 (print) | ISSN: 2410-8219 (online)

Vol 77, No 1 (2021)

Editorial

Editorial 2021

Aimée V. Stewart

South African Journal of Physiotherapy | Vol 77, No 1 | a1633 | 03 December 2021

Original Research

Pre-operative physiotherapy following unilateral ankle fractures at a tertiary hospital in South Africa: Perceptions of patients and nurses

Sabeeha Dangor, Prithi Jayaraman-Pillay, Stacy Maddocks, Verusia Chetty South African Journal of Physiotherapy | Vol 77, No 1 | a1501 | 12 January 2021

Original Research

12

2

Time to re-think our strategy with musculoskeletal disorders and workstation ergonomics

Vanessa S. Redivo, Benita Olivier

South African Journal of Physiotherapy | Vol 77, No 1 | a1490 | 14 January 2021

Original Research

22

Expectations of individuals with neurological conditions from rehabilitation: A mixed-method study of needs

Olubukola A. Olaleye, Desmond A. Zaki, Talhatu K. Hamzat South African Journal of Physiotherapy | Vol 77, No 1 | a1498 | 15 January 2021

Original Research

34

Anthropometric determinants of lung function in apparently healthy individuals

Michael O. Ogunlana, Olufemi O. Oyewole, Adetutu I. Lateef, Ayomikun F. Ayodeji

South African Journal of Physiotherapy | Vol 77, No 1 | a1509 | 15 January 2021

Original Research

40

Factors associated with musculoskeletal pain in the past 12 months amongst female miners in a South African goldmine

Khathutshelo P. Kabongo, Saloshni Naidoo

South African Journal of Physiotherapy | Vol 77, No 1 | a1476 | 18 January 2021

Original Research

48

Prevalence of concussion and adherence to return-to-play guidelines amongst male secondary school rugby and hockey players

St. John Taft, Liezel Ennion

South African Journal of Physiotherapy | Vol 77, No 1 | a1477 | 20 January 2021

Original Research

55

Systematic review of screening tools for common soccer injuries and their risk factors

Raphael Christopher, Corlia Brandt, Natalie Benjamin-Damon
South African Journal of Physiotherapy | Vol 77, No 1 | a1496 | 12 February 2021

Original Research

65

Joint position sense in individuals with anterior knee pain

Carlyn Rhode, Quinette A. Louw, Dominique C. Leibbrandt, Leone Williams South African Journal of Physiotherapy | Vol 77, No 1 | a1497 | 18 February 2021

Original Research

76

Knowledge, perception and attitude of patient safety amongst clinical year physiotherapy students in Ghana

Samuel-Jerry S. Atakora, Jonathan Quartey, Samuel K. Kwakye
South African Journal of Physiotherapy | Vol 77, No 1 | a1499 | 19 February 2021

Original Research

85

Preoperative physical activity and functional performance levels are predictors of acute postoperative outcomes in a private South African colorectal cancer cohort

Megan Whelan, Heleen van Aswegen, Ronel Roos, June Fabian, Brendan Bebinaton

South African Journal of Physiotherapy | Vol 77, No 1 | a1526 | 08 March 2021

Original Research

94

Prevalence of musculoskeletal disorders amongst flower farm workers in Kenya

Jotham M. Munala, Benita Olivier, Wallace M. Karuguti, Simon M. Karanja South African Journal of Physiotherapy | Vol 77, No 1 | a1515 | 09 March 2021

Original Research

101

'I forget to do pressure relief': Personal factors influencing the prevention of secondary health conditions in people with spinal cord injury, South Africa

Sonti Pilusa, Hellen Myezwa, Joanne Potterton

South African Journal of Physiotherapy | Vol 77, No 1 | a1493 | 15 March 2021

Original Research

110

Experiences of secondary health conditions amongst people with spinal cord injury in South Africa: A qualitative study

Sonti I. Pilusa, Hellen Myezwa, Joanne Potterton
South African Journal of Physiotherapy | Vol 77, No 1 | a1530 | 06 April 2021

Original Research

118

The interrater and intrarater reliability of the flexibility and strength tests included in the Sport Science Lab® screening protocol amongst professional rugby players

Candice MacMillan, Benita Olivier, Natalie Benjamin-Damons South African Journal of Physiotherapy | Vol 77, No 1 | a1504 | 22 April 2021

Original Research

128

The role of physiotherapy in the respiratory management of children with neuromuscular diseases: A South African perspective

Anri Human, Lieselotte Corten, Brenda M. Morrow
South African Journal of Physiotherapy | Vol 77, No 1 | a1527 | 07 May 2021

Original Research

139

Dysphagia in cervical spinal cord injury: How international literature trends can guide South African practice patterns – A scoping review

Kim A. Coutts

South African Journal of Physiotherapy | Vol 77, No 1 | a1542 | 10 May 2021

Original Research

146

Blended teaching versus traditional teaching for undergraduate physiotherapy students at the University of the Witwatersrand

Sadiya Ravat, Paula Barnard-Ashton, Monique M. Keller South African Journal of Physiotherapy | Vol 77, No 1 | a1544 | 17 May 2021

Original Research

154

Morphological and skill-related fitness components as potential predictors of injury in elite netball players: A cohort study

Colleen J. Sinclair, Frederik F. Coetzee, Robert Schall
South African Journal of Physiotherapy | Vol 77, No 1 | a1524 | 18 May 2021

Original Research

162

Community-based rehabilitation implementation framework to address patellofemoral pain amongst runners in under-resourced communities: Delphi consensus

Siyabonga Kunene, Nomathemba Taukobong, Serela Ramklass South African Journal of Physiotherapy | Vol 77, No 1 | a1531 | 22 June 2021

Original Research

169

Attitudes, perceptions and barriers around evidence-based practice in sports physiotherapy in Kenya

Thomas K. Mwololo, Benita Olivier, Wallace M. Karuguti, Joseph M. Matheri

South African Journal of Physiotherapy | Vol 77, No 1 | a1561 | 30 August 2021

Original Research

177

Inspiratory muscle training in children and adolescents living with neuromuscular diseases: A pre-experimental study

Anri Human, Brenda M. Morrow

South African Journal of Physiotherapy | Vol 77, No 1 | a1577 | 31 August 2021

Original Research

187

Factors associated with balance impairments amongst stroke survivors in northern Benin: A cross-sectional study

Oyéné Kossi, Mendinatou Agbetou, Sènadé I. Noukpo, Lisa T. Triccas, Daniel-Eude Dossou-Yovo, Elogni R. Amanzonwe, Thierry Adoukonou

South African Journal of Physiotherapy | Vol 77, No 1 | a1559 | 02 September 2021

Original Research

194

Referral practices of medical practitioners in central South Africa to physiotherapy services for patients living with musculoskeletal conditions

Roline Y. Barnes, Alida Janse van Rensburg, Jacques E. Raubenheimer South African Journal of Physiotherapy | Vol 77, No 1 | a1563 | 30 September 2021

Original Research

202

Gluteal muscle activation during rehabilitation exercises in female field hockey players

Daretha Coetzee, Frederik F. Coetzee, Robert Schall, Colleen Sinclair
South African Journal of Physiotherapy | Vol 77, No 1 | a1578 | 01 October 2021

Original Research

211

South African physiotherapists' perspectives on the competencies needed to work in special schools for learners with special needs

Machuene C. Manamela, Carina A. Eksteen, Bhekiwe Mtshali, Shade A.S. Olorunju

South African Journal of Physiotherapy | Vol 77, No 1 | a1571 | 23 November 2021

Scientific Letter

219

Comments on dysfunction, activity limitations, participation restriction and contextual factors in South African women with pelvic organ prolapse

Joyce P. da Silva, Diego Dantas

South African Journal of Physiotherapy | Vol 77, No 1 | a1525 | 08 January 2021

Review Article

222

Autonomy-hindering scope for physiotherapy practice in African countries: Results of creatures and antinomies of regulatory laws

Ushotanefe Useh

South African Journal of Physiotherapy | Vol 77, No 1 | a1518 | 25 February 2021

Review Article

228

Effect of virtual reality therapy, combined with physiotherapy for improving motor proficiency in individuals with Down syndrome: A systematic review

Jessica Stander, Jennifer C. du Preez, Chantel Kritzinger, Natasha M. Obermeyer, Silke Struwig, Nikki van Wyk, Jessica Zaayman, Marlette Burger

South African Journal of Physiotherapy | Vol 77, No 1 | a1516 | 20 May 2021

Review Article

246

Hand rehabilitation programmes for second to fifth metacarpal fractures: A systematic literature review

Monique M. Keller, Roline Barnes, Corlia Brandt, Lauren M. Hepworth South African Journal of Physiotherapy | Vol 77, No 1 | a1536 | 31 May 2021

Review Article

255

Six-minute walk test protocol variations in low-resource settings – A scoping review

Brittany L. Fell, Susan Hanekom, Martin Heine
South African Journal of Physiotherapy | Vol 77, No 1 | a1549 | 24 June 2021

State of the Art

264

Physiotherapy and pelvic floor health within a contemporary biopsychosocial model of care: From research to education and clinical practice

Corlia Brandt

South African Journal of Physiotherapy | Vol 77, No 1 | a1538 | 20 May 2021

State of the Art

272

Decoloniality in physiotherapy education, research and practice in South Africa

Saul Cobbing

South African Journal of Physiotherapy | Vol 77, No 1 | a1556 | 28 May 2021

State of the Art

278

Physiotherapy support for self-management of persisting musculoskeletal pain disorders

Ina Diene

South African Journal of Physiotherapy | Vol 77, No 1 | a1564 | 29 October 2021

Randomised Clinical Trial

285

Effects of a 6-month exercise programme on disease activity, physical and functional parameters in patients with ankylosing spondylitis: Randomised controlled trial

Kim Nolte, Dina C. Janse van Rensburg, Lizelle Fletcher South African Journal of Physiotherapy | Vol 77, No 1 | a1546 | 29 June 2021

Randomised Controlled Trial Protocol

293

Experiences and effects of telerehabilitation services for physiotherapy outpatients in a resource-constrained public health set-up in the backdrop of the COVID-19 pandemic: A proposal

Humairaa Ebrahim, Prithi Pillay-Jayaraman, Yehudit Leibovitz, Nirvashi Naidoo, Tracey Bulmer, Bulelwa Bull, Sandy Lord, Monique M. Keller South African Journal of Physiotherapy | Vol 77, No 1 | a1528 | 30 June 2021

Randomised Controlled Trial Protocol

306

Physiotherapy in an advanced rehabilitation pathway for patients after hip and knee arthroplasty: A proposal

Retha-Mari Prinsloo, Monique M. Keller

South African Journal of Physiotherapy | Vol 77, No 1 | a1565 | 28 September 2021

Correction

313

Erratum: Factors associated with stroke survivors' inconsistent uptake of physiotherapy interventions at Turton Community Health Centre. KwaZulu-Natal

Ntombifuthi Mlambo, Boikhutso Tlou, Khumbulani Hlongwana
South African Journal of Physiotherapy | Vol 77, No 1 | a1612 | 19 November 2021

Correction

314

Erratum: The role of physiotherapy in the respiratory management of children with neuromuscular diseases: A South African perspective

Anri Human, Lieselotte Corten, Brenda M. Morrow

South African Journal of Physiotherapy | Vol 77, No 1 | a1616 | 22 November 2021

Correction

315

Corrigendum: Prevalence and clinical characteristics associated with peripheral neuropathy amongst persons on HAART in Busia County, Kenya

John N. Mukoma, Joseph M. Matheri, Nassib Tawa
South African Journal of Physiotherapy | Vol 77, No 1 | a1615 | 26 November 2021

Vol 77, No 2 (2021): Spinal Deformities – Evidence and Patient Safety in Management, sub-edited by Kuru Çolak Tuğba (Marmara University, Turkey) and Weiss Hans-Rudolf (Schroth Best Practice Academy, Germany)

Editorial

316

Spinal deformities: Evidence and patient safety in management

Tuğba Kuru Çolak, Hans-Rudolf Weiss

South African Journal of Physiotherapy | Vol 77, No 2 | a1757 | 20 December 2021

Original Research

318

Investigation of the perceptual and cognitive asymmetry in the auditory system in patients with adolescent idiopathic scoliosis

Burçin Akçay, Gonca İnanç, Ata Elvan, Metin Selmani, Mehmet A. Cakiroglu, Ömer Akcali, İsmail S. Satoglu, Adile Oniz, İbrahim E. Simsek, Murat Ozgoren

South African Journal of Physiotherapy | Vol 77, No 2 | a1583 | 29 September 2021

Original Research

325

Use of vision-based augmented reality to improve student learning of the spine and spinal deformities. An exploratory study

Gok Kandasamy, Josette Bettany-Saltikov, Julien Cordry, Rob McSherry South African Journal of Physiotherapy | Vol 77, No 2 | a1579 | 29 October 2021

Original Research

335

The reliability of the augmented Lehnert-Schroth and Rigo classification in scoliosis management

Burçin Akçay, Tuğba Kuru Çolak, Adnan Apti, İlker Çolak, Önder Kızıltaş South African Journal of Physiotherapy | Vol 77, No 2 | a1568 | 02 November 2021

Original Research

340

Guidelines for the conservative treatment of spinal deformities – Questionnaire for a Delphi consensus

Elif E. Dereli, Shaopeng Gong, Tuğba Kuru Çolak, Deborah Turnbull
South African Journal of Physiotherapy | Vol 77, No 2 | a1587 | 10 December 2021

Original Research

352

Effect of Chêneau style braces on vertebral wedging amongst individuals with adolescent idiopathic scoliosis

Nico Tournavitis, Tuğba Kuru Çolak, Constantinos Voutsas South African Journal of Physiotherapy | Vol 77, No 2 | a1617 | 17 December 2021

Review Article

360

Is there an indication for surgery in patients with spinal deformities? – A critical appraisal

Hans-Rudolf Weiss, Xiaofeng Nan, Matthew A. Potts
South African Journal of Physiotherapy | Vol 77, No 2 | a1569 | 04 October 2021

State of the Art

369

Brace treatment for patients with scoliosis: State of the art

Hans-Rudolf Weiss, Tuǧba Kuru Çolak, Manuel Lay, Maksym Borysov South African Journal of Physiotherapy | Vol 77, No 2 | a1573 | 26 October 2021

Case Report

380

Conservative treatment of a scoliosis patient after two heart surgeries in early childhood – A case report

Hans-Rudolf Weiss, Manuel Lay, Tamisha Best-Gittens, Marc Moramarco, Mario Jimeranez

South African Journal of Physiotherapy | Vol 77, No 2 | a1588 | 30 November 2021

Reviewer Acknowledgement

388

South African Journal of Physiotherapy | Vol 77, No 1 | a1762 | 22 December 2021