



Service Priorities and Programmes
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Impact on low back pain patients received on-site physiotherapy in AED

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Introduction

The provision of on-site physiotherapy in AED patients aim for pain relief and reduce admission rate to orthopaedic ward. Different patient groups may benefit differently from the service.

Objectives

The study's aim is to compare the outcome of on-site physiotherapy to patient suffered from low back pain in different groups of patients.

Methodology

A retrospective review over a 2 year period (from 1/10/2009 to 31/1/2013)identifying impact of physiotherapy to different groups of patients.

Result

325 patients with back pain were provided with on-site physiotherapy service in AED of AHNH. Among them, male patients consist of 64 % (n= 208), with female patients of 36 % (n= 117). Age distribution of patient groups were : age from above 70 : 42% (n= 136), age from 50 – 69 was 28% (n= 91), age from 30 – 49 was 25% (n= 81), age below 29 was 5% (n= 17) . Among all the patients, 127 patient of patients has a recent trauma or injury history, while the rest of 198 patients have a chronic history of back pain. Logistic regression analysis revealed that younger patient groups, male patients and non-trauma patients have significantly less admission rate after offering of on-site physiotherapy services. Admission rate after physiotherapy service in younger age group, age 30 – 49 was 5%, while the admission rate for elder age group, i.e. age 70 or above was 35%. Conclusion: On-site physiotherapy service for patient suffered from low back pain have better outcome in younger age groups in our patients.