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HASIL PENILAIAN SEJAWAT SEBIDANG ATAU PEER REVIEW
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Judul Artikel Ilmiah : **Description of knowledge and promotion media for Healthy Living Movement (Germas) in higher education institutions in Indonesia**
 Nama semua penulis : Lina Handayani, Zahroh Shaluhiah, **Suroto**
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c	Kecukupan dan kemutakhiran data/informasi dan metodologi	Hasil disajikan dengan baik baik. Jumlah daftar pustaka yang digunakan 26 artikel.
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Description of knowledge and promotion media for Healthy Living Movement (Germas) in higher education institutions in Indonesia

Lina Handayani (/article/search?authors=Lina Handayani)¹, Zahroh Shaluhiah (/article/search?authors=Zahroh Shaluhiah)¹, **Suroto** . (/article/search?authors=Suroto .)¹

1.

F Int J Community Med Public Health 2019; 6 (9) : 3717-3722; 10.18203/2394-6040.ijcmph20193589; Language: EN

Abstract

Background: Health problems that arise today are results of unhealthy lifestyle. As an effort to overcome these problems, the government launched the Healthy Living Movement (Germas) involving several approaches. This research aims to study the description of knowledge and promotion media about Germas among academics in higher education institutions.

Methods: This is a qualitative research that aims to understand a social phenomenon. Research respondents were academics belonging to the groups of department heads, lecturers, academic staff, students, and canteen personnel. The study was conducted from February to April 2019.

Results: Results of this research show that Germas related activities have been partially carried out in the university. Meanwhile, results from the health college and the health polytechnic indicate that Germas related activities are better implemented. They are better integrated with the Germas itself as a whole.

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Conclusions: Knowledge of Germas among academics in higher education institutions is adequate. This is even better for the case of the health college and health polytechnic in which information about health is disseminated routinely via both formal and informal forums. On the other hand, academics from the university obtain more health information about health from external sources.

Keywords

Germas (/article/search?keywords=Germas), Qualitative method (/article/search?keywords=Qualitative method), Non-communicable diseases (/article/search?keywords=Non-communicable diseases)

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Original Research Article

Association between age at onset of multiple sclerosis and vitamin D level in Saudi population

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ABSTRACT

Background: Several studies have shown an association between 25-hydroxyvitamin D (Vitamin D) levels and multiple sclerosis (MS). This study aimed to evaluate association between age at onset of Multiple Sclerosis and vitamin D level in Saudi population.

Methods: This cross-sectional study was performed in the Neurology Department king Fahd Military Hospital Jeddah in the Kingdom of Saudi Arabia (KSA) included 75 patients with MS and 99 healthy controls group matched for gender and age. Comparing vitamin D measurement in multiple sclerosis patients at the time of diagnosis with healthy controls group.

Results: We found no significant association between age at onset of multiple sclerosis and vitamin D level in Saudi population p value (0.723). However we also found that 74.66% of the sample Members who had MS and has a deficient of vitamin D and 83.83% people of the sample members didn't have MS, but vitamin D was deficient with them.

Conclusions: Study has revealed a high rate of vitamin D deficiency in patients with MS and in the controls group, as well There's no clear relation to MS, Thus There's no significant association between age at onset of multiple sclerosis and vitamin D level in Saudi population.

Keywords: Multiple sclerosis, 25-hydroxyvitamin D, Saudi Arabia, Vitamin D deficiency, Age at onset

INTRODUCTION

Multiple sclerosis (MS) is a chronic progressive demyelinating disease of the central nervous system characterized by delay in neural conduction.¹ MS is a chronic immune-mediated disease in which both inflammatory and degenerative processes occur.²

Neurodegenerative disorder can be explained by interplay of genetic and environmental risk factors, including modifiable lifestyle factors.³

Prevalence appeared to increase over time.⁴ There are more than 2 million individuals affected by MS worldwide.⁵

Studies have shown significant variation in prevalence from Europe, as high as 100 per 100,000, to Africa, as low as 0.5 per 100,000 (1). Worldwide, women are more likely than men to suffer from multiple sclerosis in a ratio of 2 to 1.⁶

MS presenting in the hospital setting is increased in KSA than reported previously. There are many factors underlying these changes, such as lifestyle modifications,

Original Research Article

Telemedicine: an ICT based healthcare approach to ensure health service for all

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ABSTRACT

Background: Despite enormous efforts, healthcare service is still a daunting challenge area of Bangladesh healthcare systems. Bangladesh suffers from both a shortage of and geographic mal-distribution of human resource for health, as well as inadequate resources. Considering the challenges, telemedicine can be a blessing especially to the people living in hard-to-reach and rural areas. The current study was conducted on to measure the outcomes of providing telemedicine service at the field level.

Methods: The study was conducted in Nagarkanda Upazilla of Faridpur district. Mixed method approaches including user experience and perception survey, case study and in-depth interview were adopted in order to bring a comprehensive scenario.

Results: Around 50% of the users used to visit telemedicine center frequently. For quality of service provided from telemedicine service point, there were few benchmarks like service provider's behavior, waiting time, accessibility, distance, cost of treatment, willingness to pay and referral mechanism. Telemedicine service centers were found situated within the reach of people (within 1-2 km of 83.30% km). 97% participants rated service provider's behavior as good. Cost of treatment including diagnosis, prescription and medication was found within 501-3000 BDT for 60% of participants.

Conclusions: Although the studied telemedicine service was not comprehensive in nature, it still helped to save time, reduce cost and most of all increased access to healthcare services.

Keywords: Telemedicine, Barriers, Service providers, Treatment cost, Service quality

INTRODUCTION

A well-functioning healthcare system is essential in improving the overall population's health status, and reducing financial hardship by providing safeguard and timely responsiveness of healthcare sector according to needs.¹ Despite being a limited resource country, Bangladesh has set an example for other developing countries in terms of making improvement. The country has committed to achieving universal health coverage (UHC) by 2032 through increasing its coverage as well as improving the service quality.² Despite enormous efforts,

healthcare service is still an intimidating challenge area of Bangladesh healthcare systems. According to WHO, "Bangladesh suffers from both a shortage of and geographic mal-distribution of HRH (human resource for health). There are an estimated 3.6 physicians per 10,000 population and 2.2 nurses and midwives per 10,000 populations."³ Severe gap exists between sanctioned and filled health worker positions: 34% vacancy in sanctioned health worker positions under DGHS.³ Health workers are concentrated in urban secondary and tertiary hospitals, although 70% of the population lives in rural areas.⁴

Original Research Article

Basic life support skills and health emergency preparedness among school teachers in India: a questionnaire-based study in an urban population

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ABSTRACT

Background: The purpose of this study was to assess basic life support (BLS) knowledge and attitudes among school teachers in India, and to elicit school preparedness in handling medical emergencies.

Methods: Using a two stage sampling technique, 198 teachers from 10 schools in a metropolitan city participated in the study. A pre-validated questionnaire was administered to assess school teacher knowledge of BLS, and the principals of the schools provided information regarding the facilities available to manage health emergencies.

Results: Although more than half of the surveyed teachers were aware of the term BLS, only 7 percent were trained in resuscitation. Thirteen percent of teachers had encountered emergencies in the classroom. Most of the schools maintained a basic first aid kit but lacked other equipment necessary to manage more serious health emergencies.

Conclusions: Our study suggests that although teachers may be aware of BLS, they lack formal training and schools may be poorly equipped to tackle medical emergencies. It is therefore necessary to regularly train teachers in BLS and ensure that schools are provided with resuscitation equipment to enable them to handle health emergencies in children.

Keywords: Basic life support, Teachers, Knowledge, School preparedness, Health emergencies

INTRODUCTION

Medical emergencies in school children can occur due to complications arising out of pre-existing medical conditions, or due to unexpected serious illnesses that can occur when the child is in school. These emergencies require immediate intervention in order to save lives and avoid further damage.¹ According to the American Academy of Paediatrics (AAP) Committee on Paediatrics Emergency Medicine, every year, more than 3,00,000 adults and 6,000 children experience out-of-hospital cardiac arrest (OHCA).² The Centres for Disease Control and Prevention has estimated that approximately 2,000

patients under 25 years of age will die of sudden cardiac arrest (SCA) every year in the United States.³ Other older reports estimate the frequency of SCA in children and adolescents to be between 0.8 and 6.2 per 1,00,000 per year.⁴⁻⁸

The average school-aged child spends almost a quarter of each weekday in school. Due to this, children are highly likely to encounter medical emergencies in the school setting,⁹ including injuries, convulsions, high fever, acute abdomen, choking, status asthmaticus, diabetic crisis, life threatening allergic reactions and sudden cardiac deaths (SCD).^{1,10} In addition, children with special care needs