Review of Specialist Visits to Southern Darfur, Sudan

Dr. Isameldin Izzeldin, MD University of Strathclyde, Glasgow, UK

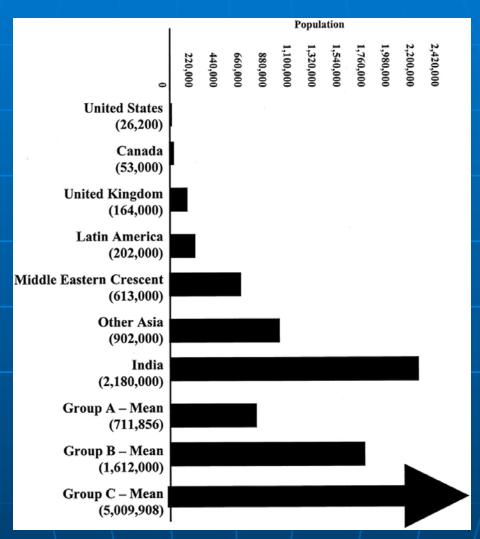
Dr. Asma E.I. Abdel-Gader, MD Khartoum Teaching Hospitals, Sudan

Dr. Khalid M. E. El-Talib, MD Al-Shaab Teaching Hospital, Khartoum, Sudan

> Dr. Hatim A. Nagi, MD National Insurance Fund, Sudan

December 2005 – December 2014

Average population per neurologist for each group as compared with the United States, Canada, the United Kingdom, and other regions of the world



Bower, J. H. et al. Neurology 2005;64:412-415



Need for action





What to do in these circumstances

- Observe & collect information.
- Diagnose problems in people or place:
 - People = knowledge, skills, attitudes,
 - Place = suitability for purpose,
- Perform:
 - to influence/solve problems,
 - to show ways (info) & demonstrate (skills/attitude)
 - to train local healthcare workers,
- <u>Teach:</u> knowledge, skills, attitude,
- Inspire.
- Link: with persons (Neurologists), places (UK),
- Follow-up:
 - to evaluate results & keep the momentum.

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Publicity for the Health Status - Advocacy is People's Voice

Paper

J R Coll Physicians Edinb 2008; 38:5-11 © 2008 Royal College of Physicians of Edinburgh

Neurological services in Darfur: a deprived rural community in a tropical zone affected by ongoing armed conflict

'IM Izzeldin, 'EA Nagi

Specialist Registrar in Clinical Neurophysiology, John Radcliffe Hospital, Oxford, UK; **Consultant Ophthalmologist, Nyala Military Hospital, Nyala, southern Darfur Sudan

ABSTRACT This report, compiled after a short visit to Darfur sponsored by the Association of British Neurologists, describes the status of healthcare in Nyala, the capital of southern Dafur. Four hospitals and 19 consultants supervise the care of over three million people. The most common neurological diseases in Darfur are infections of the central nervous system, characterised by meningitis during the dry seasons and cerebral malaria following the short rainy autumn. Trauma-related neurological disorders are common. Epilepsy, mostly symptomatic, is largely caused by untreated or poorly treated CNS infection, head injury and neonatal/childhood diseases. Epilepsy management is greatly hindered by the fact that the disease is considered to be a social stigma. Uncontrolled hypertension is the leading vascular risk factor, and stroke is frequently seen in younger patients who are not fully investigated. During his visit, the first author saw 46 patients in whom the most common neurological problem was infection and trauma-related epilepsy. The spectrum and presentation of neurological diseases was very different from the usual disease pattern seen by neurologists in the UK. Most components of a multidisciplinary team for neurological patients are lacking; no physical, occupational or speech and language therapy. The medical and neurology services in Nyala desperately need CT scanning to complement a reasonably equipped laboratory service. In addition, there is a need for local clinical guidelines to govern the practice of more junior staff and those working in disadvantaged health units.

KEYWORDS conflict, Darfur, health services, neurology, Nyala

Darfur, on the remote western border of Sudan, is a

LIST OF ABBREVIATIONS Association of British Neurologists (ABN), African Neurology Interest Group (ANIG), central nervous system (CNS), computerized tomography (CT), cerebral vascular accident (CVA), general practitioner (GP), medical assistants (MA), magnetic resonance imaging (MRI), medically unexplained symptoms (MUS), outpatient department (OPD), transient ischaemic attack (TIA), World Health Organisation (WHO)

DECLARATION OF INTERESTS The first author received a travel bursary from UCB Pharma to travel to Darfur.

DARFUR

Such figures reflect the low public health standards experienced in all parts of Sudan and will be worse in the poor and remote regions.

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Correspondence to IM Izzeldin, Level 3, West Wing John Radcliffe Hospital, Headley Way, Headington, Oxford OX3 9DU, UK

tel. +44 (0) 1865 231817

e-mail Isam.lzz d din@orh.nhs.uk

Modest case study

CLINICAL

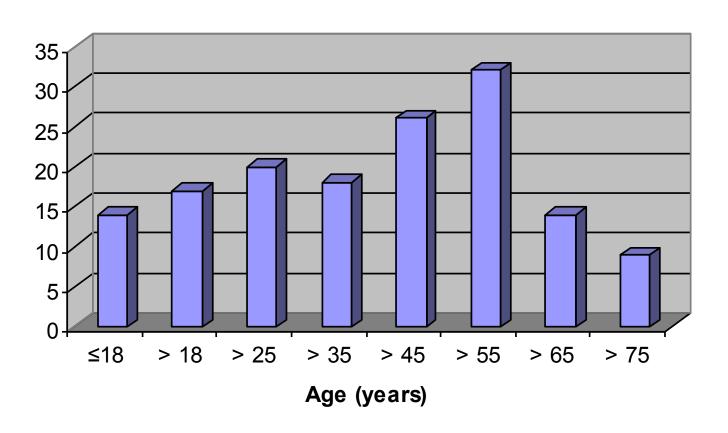


Nyala January 2014

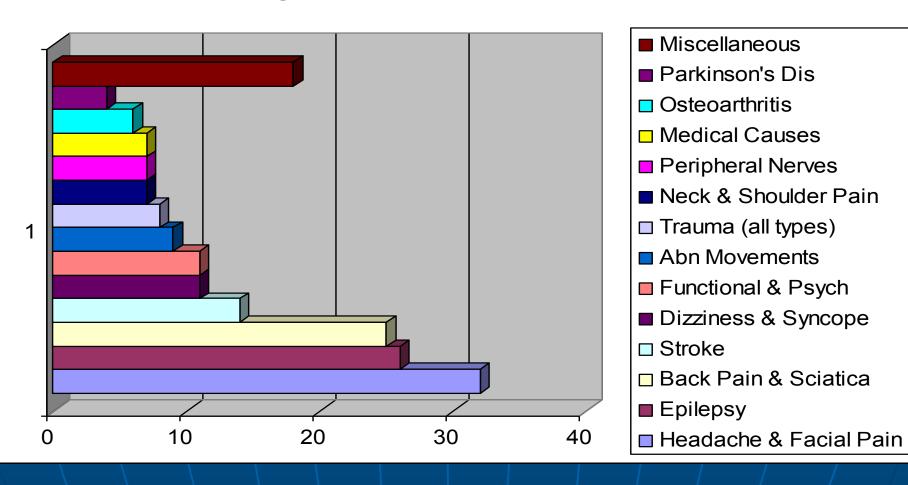


Findings

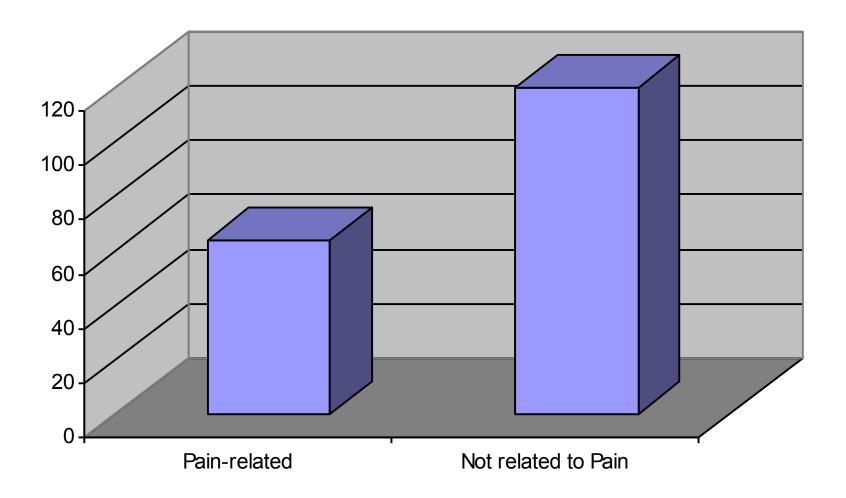
Patients' Demography



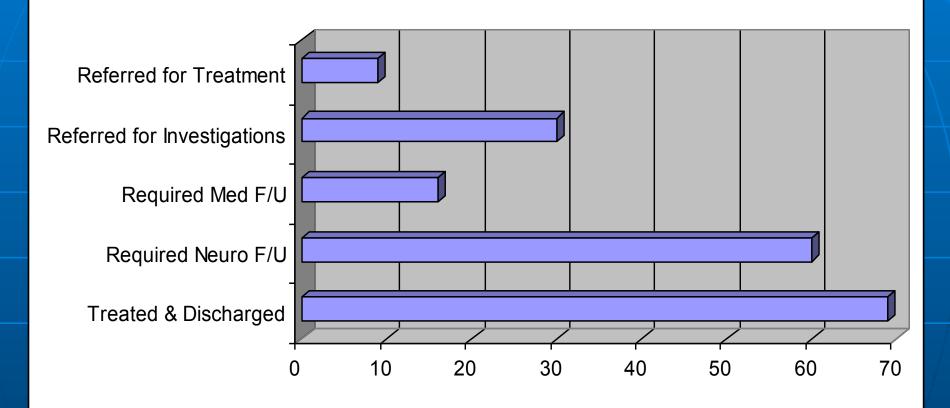
Neurological Disorders Presented to Clinic



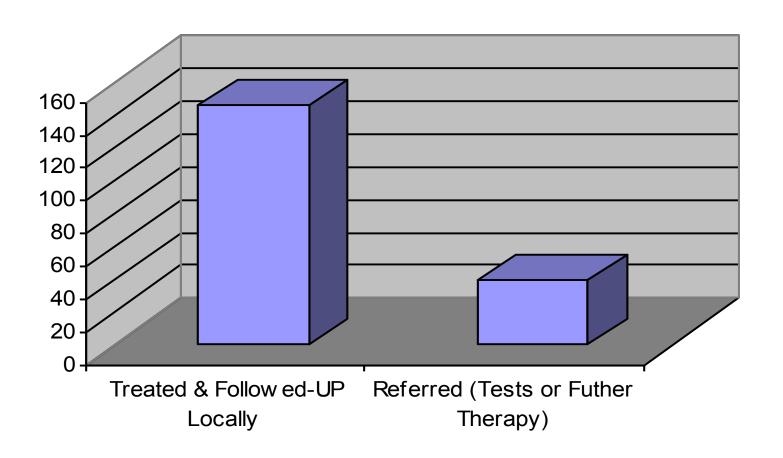




Outcome of Neurology Consultations (end-points)



% Neurological Probems Managed in Nyala



Recommendations

- -To provide Neurology Clinics for New Patients with Neurological Symptoms.
- -To provide Follow-Up for Patients with Known/Stable Neurological Symptoms/Problems.
- -To continue Support & Funding of 'Visiting Specialist Programme' improving its methods.
- -To involve Relevant and Related Specialties (e.g. Rheumatology & Orthopaedics) which enrich Patient's Experience, Fully Addressing the Health Problems and Offer Quality Services.

Recommendations

-To enhance Education & Training of Local Medical & Nursing Staff (by setting examples).

-To involve Scientific and Research Methods (Field Surveys, Patients' Satisfaction Questionnaires, etc) to extract roadmap for future vision.

-Documentation and Reporting.

Healthcare might be developing – but indeed still many miles away !!



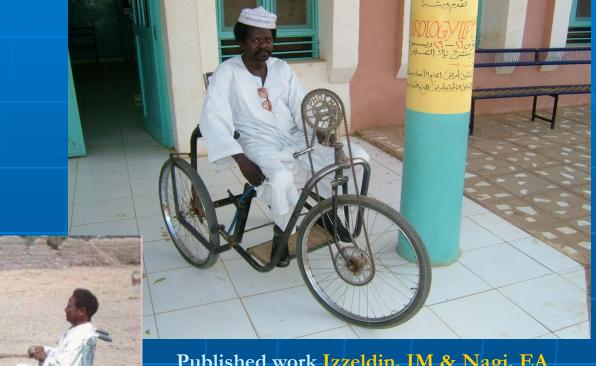


Nyala Hospitals & Healthcare Community





with Limited Resources Rehabilitation is still possible



Published work Izzeldin, IM & Nagi, EA The Journal, RCP of Edinburgh, 2008.

Courtesy of Seidi, O. & Hussien, A. Neurological Letter from Sudan. Practical Neurology, 2005, 311 – 314.

Heart fitness is well maintained in the patients with paralysis

HOPE



'A little drop of water...

a small grain of sand...

make the mighty ocean,

& a piece of land'.

THANK YOU

isamizzeldin@gmail.com Tel: +44 744 623 3970.