

The Evolution of Nurse Education in Sub Saharan Africa (Parkinsons)

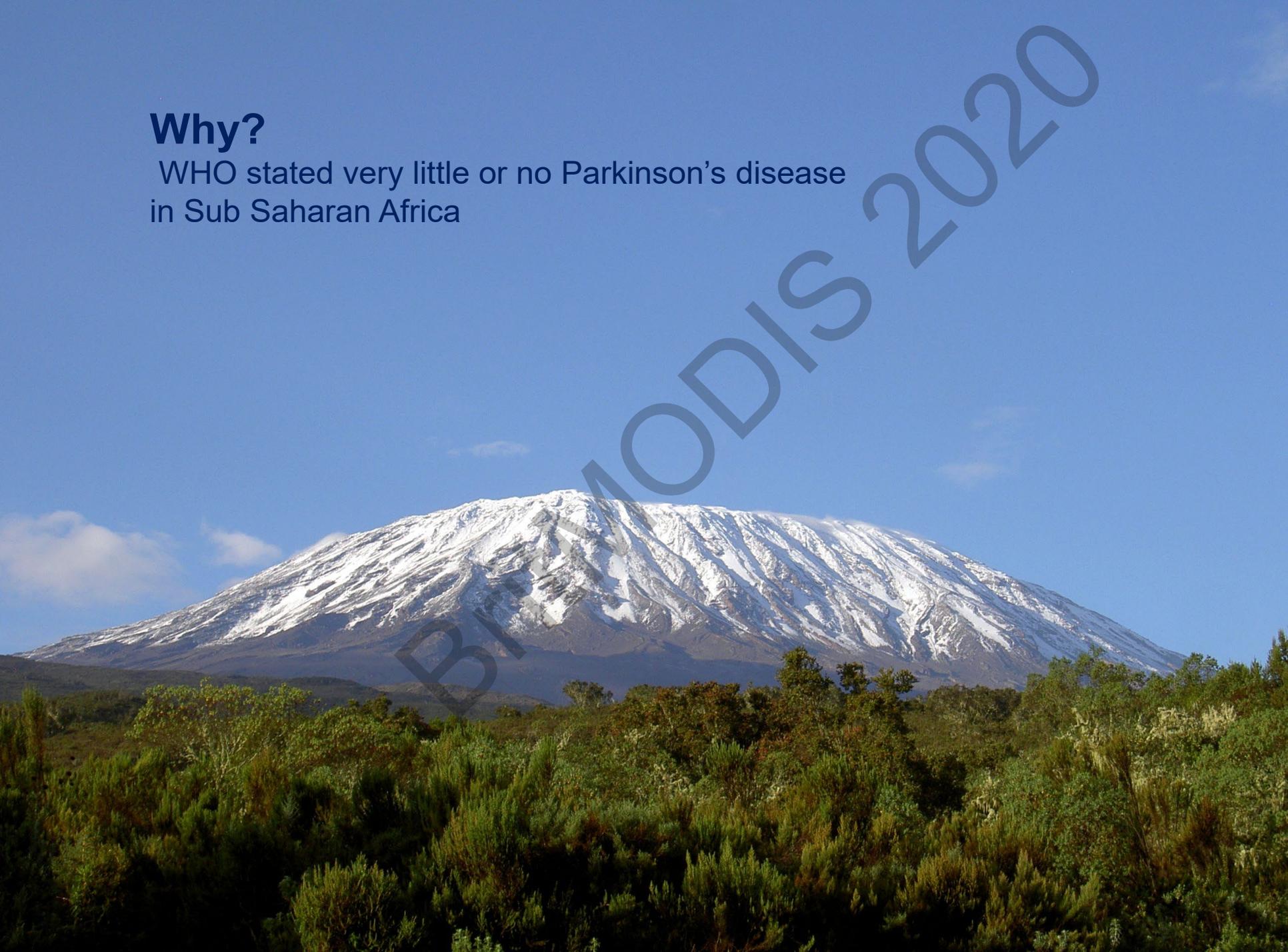
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Why?

WHO stated very little or no Parkinson's disease
in Sub Saharan Africa



Background

- Hai PD Prevalance Study, Tanzania 2005/6
 - Surveillance site
- Screening questions
 - 5 questions
- MDS Task Force
 - Set up by Prof Richard Walker
 - Education for Neurologists/non neurologists
 - Drug supply/distribution
 - WHO essential drug list update
 - Led to nurse training
 - Based on PDNS course in Swansea University

Parkinson's Nurse Training

- Trained 2 PDNS from Tanzania
 - From Hai Prevalence Study (first in SSA)
 - Great potential in SSA due to shortage of doctors
- 2012 first course in East Africa (Tanzania)
- 2013 West Africa (Ghana) joint course for nurses and non-specialist doctors
 - Funded by the World Federation of Neurology (WFN) & MDS
- 2014 (Johannesburg) Funded by the SAFRA Foundation
- 2016 first stand alone country (Ethiopia)
- 2019 Nurses and AHP (Tanzania)



- Tanzania
- Ethiopia
- Uganda
- Rwanda
- Kenya
- Nigeria
- Ghana
- Gambia
- Sierra Leone
- Nigeria
- Cameroon
- Johannesburg
- Zimbabwe
- Malawi
- Botswana
- South African
- Ethiopia
- Tanzania
- Madagascar
- Egypt
- Kenya
- 75 nurses plus Ethiopia

1st Parkinson's Disease Nurse Course Tanzania 2012

Richard Walker, Louise Ebenezer, Catherine Dotchin,
Juzar Hooker, Lynda Hind



Ghana 2013 - 1st West Africa Course, joint with non-specialist doctors

Italy - Dr. Roberto Cilia, Dr Marianna Amboni, Nurse Alba Bonetti, Erica Cassani dietician

UK - Professor Richard Walker, Dr. Catherine Dotchin, PDNS Louise Ebenezer, Jean Martey

Ghana - Abert Akpalu and Austina Charway - Neurologists

Nigeria - Njideka Okubadejo - Neurologist



Johannesburg 2014

Louise Ebenezer, Jane Price
Richard Walker, Jonathan Carr (South Africa)



1st stand alone country

Faculty – Dr J Bower, Dr R Walker, Louise Ebenezer



**PARKINSON DISEASE
NURSE COURSE
January 11-12, 2016**

International
Movement

BGS
Brimicom

The Challenges

- Understanding the complexities of Parkinson's disease
- Dispelling myths
 - Regarding Parkinson's
- Managing Parkinson's disease with limited or no resources
- Mixed groups (South Africa)
- The importance of the PDNS role
 - Managing chronic condition
 - Raising awareness of the condition
 - Supporting and educating patients, families and wider community
 - *Becoming autonomous practitioners*

Evaluation/lessons learnt

- Evaluated well
 - Free membership to MDS and PDNSA
- Set up an African nurse network
 - Still awaiting this to happen
- Allocated a UK mentor
 - Monthly contact with mentor
 - Irrelevant if seen patient or not
 - Not successful
- What's app group
 - Very successful
 - Set up patient groups
 - Educating others in various settings
 - Healthy competition between each other
- ES-MDS Nurse Summer School
 - Free places for 3-4 nurses from Africa
 - Nurses have attended each course

Tanzania 2019 – nurses and AHP's



Nurses, AHP's non-specialist doctors and faculty



Future

- Course in Kenya 2021
 - Funded by MDS
- Development of nurse network in Africa
 - African nurses to take lead
- Further interdisciplinary courses
 - Team approach

References

Dotchin CL, Msuya O, Kissima J, Massawe J, Mhina A, Moshi A, Aris E, Jusabani A, Whiting D, Masuki G, Walker RW. **The prevalence of Parkinson's disease in rural Tanzania.** Movement Disorders 2008 Vol 23 (11), 1567-1572

Poster: A Parkinson's disease nurse specialist course for East Africa: Richard Walker^{1,2}, Louise Ebenezer³, Catherine

Dotchin^{1,2}, Lynda Hind⁴, Marycelina Msuya⁵, Megan Daniels⁶, Juzar Hooker⁷

A comparison of caregiver burden in older persons and persons with Parkinson's disease or dementia in sub-Saharan Africa

[Dr Catherine Dotchin](#), [Dr Stella-Maria Paddick](#), [Professor Richard Walker](#) (2014)

Autonomic function in a prevalent Tanzanian population with Parkinson's disease and its relationship to disease duration and 5-year mortality

[Dr Catherine Dotchin](#), [Professor Richard Walker](#) (2013)

Projected Numbers of People With Movement Disorders in the Years 2030 and 2050: Implications for Sub-Saharan Africa, Using Essential Tremor and Parkinson's Disease in Tanzania as an Example

[Dr Catherine Dotchin](#), [Professor Richard Walker](#) (2012)

The management of Parkinson's disease in sub-Saharan Africa

[Dr Catherine Dotchin](#), [Professor Richard Walker](#) (2012)

The challenge of Parkinson's disease management in Africa

[Dr Catherine Dotchin](#), [Professor Richard Walker](#) (2007)

Thank you



US 2020