THE ABILITY OF THE PRIMARY HEALTH CARE NURSE TO DIAGNOSE TUBERCULOSIS IN CHILDREN

by

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submitted in partial fulfilment of the requirements for

the degree of

MAGISTER ARTIUM IN PUBLIC HEALTH

at the

UNIVERSITY OF SOUTH AFRICA

SUPERVISOR: MRS JE SMITH
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JUNE 2005
DECLARATION

I declare that THE ABILITY OF THE PRIMARY HEALTH CARE NURSE TO DIAGNOSE TUBERCULOSIS IN CHILDREN is my own work and that all sources that I have used or quoted have been indicated and acknowledged by means of complete references.

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SIGNATURE                        DATE

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SUMMARY

Tuberculosis (TB) has re-emerged as a major worldwide public health challenge in the last decade with an increasing incidence amongst children. The diagnosis of TB in children is difficult as the presentation is not always classical and available diagnostic modalities are imperfect. Diagnosis is, especially complex in developing countries where resources and access to sophisticated diagnostic facilities are limited. Thus practical score charts combining a number of complementary clinical characteristics with affordable special investigations have been developed to aid diagnosis.

The new South African primary health care (PHC) nurse-driven system demands that first line nurses be equipped to suspect, diagnose, confirm the diagnosis and treat children with TB. Very little is known about the ability of PHC nurses to diagnose TB in children. In Mpumalanga province relatively low rates of notified paediatric TB prompted an investigation to determine the ability of local PHC nurses to diagnose TB in children and explore whether the PHC setting allowed this. Within method triangulation was used in this quantitative descriptive study by combining a self-completed knowledge survey with clinic visits to audit records and assess access to diagnostic aids and tests.

Important deficiencies in knowledge and limited access to certain diagnostic modalities found in this study must be addressed if appropriate management of TB in children is to be assured.
KEY TERMS:

Algorithm, children, diagnosis, management, Mpumalanga, nurse, primary health care, score chart, South Africa, tuberculosis.
ACKNOWLEDGEMENTS

I am grateful to God for giving me the opportunity to complete this study, and give Him thanks and praise.

I would also like to give thanks to the following persons for their invaluable support and unending encouragement:

1. Ms JE Smith and Prof DN Durrheim, my supervisors, for their support, encouragement and guidance throughout the study.
2. The Mpumalanga Department of Health and Ms N Mtsweni, the Gert Sibande Health District Director, for allowing me to do this study at government health facilities in the Gert Sibande District.
3. Ms C Idema and Ms R Voormolen, for helping me with statistical background.
4. Mr O Kilpert, for assisting me with the statistical presentation and analysis.
5. Ms R Coetzer, for assisting me with the printing of the dissertation.
6. Ms I Cooper, for editing this dissertation.
7. My nearest family, my mother, my late father and my triplet sons, Sjouke, Haize and Arie, who encouraged me, and never gave up supporting and believing in me.
8. Dr E Balt, for being the inspiration behind my interest in tuberculosis.
9. My colleagues, especially Ms A Swart, for their continuous support.

To all of you, my sincere thanks and love, and sincere wishes for success in all your endeavours – may people be as caring and helpful to you as you have been to me.
Dedication

I dedicate this study to my triplet sons:

Sjouke Wietze Vellema
Haize Sweiz Vellema
Arie Sjoerke Vellema