

the
Raine
Study

The Origins of the Raine Study

1989 Onwards

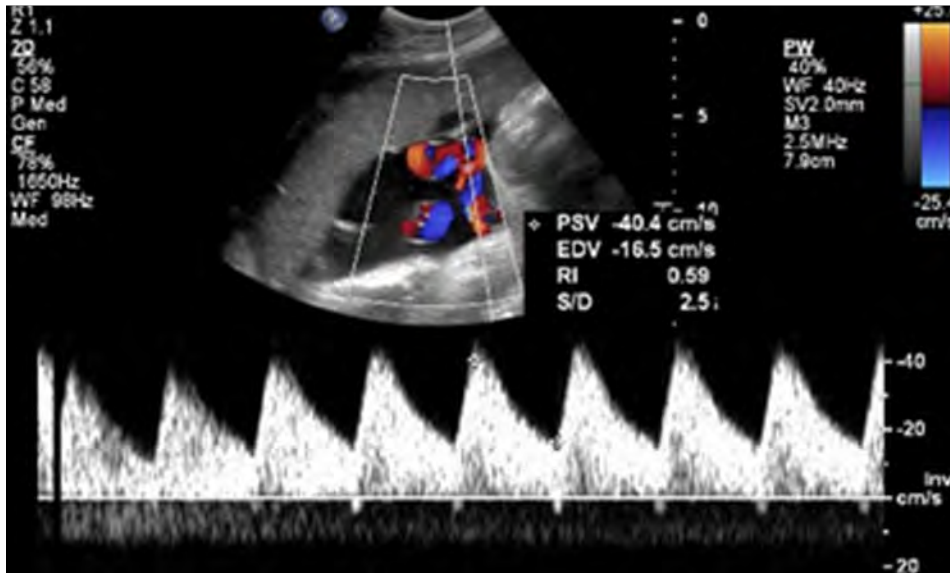
John Newnham
30 October 2020



Reprinted from AMERICAN JOURNAL OF OBSTETRICS AND GYNECOLOGY, St. Louis
 Vol. 162, No. 2, pp. 403-410, Feb., 1990. (Printed in the U.S.A.)
 (Copyright © 1990, by The C.V. Mosby Company)

An evaluation of the efficacy of Doppler flow velocity waveform analysis as a screening test in pregnancy

John P. Newnham, MD, Lyn L. Patterson, RN, Ian R. James, PhD,
 Dean A. Diepeveen, BSc, and Stanley E. Reid, MB, BS
 Perth, Australia



406 Newnham et al.

February 1990
 Am J Obstet Gynecol

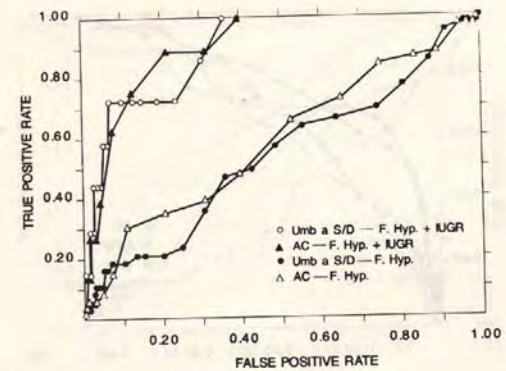


Fig. 3. ROC curves at 34 weeks' gestation of fetal abdominal circumference measurements (open triangles) and umbilical artery S/D ratios (closed circles) in prediction of fetal hypoxia, and of fetal abdominal circumference measurements (closed triangles) and umbilical artery S/D ratios (open circles) in prediction of fetal hypoxia combined with IUGR.



APPLICATION FOR PROJECT GRANT SUPPORT

OFFICE USE ONLY

REGISTRATION KEY

FILE NUMBER

PROJECT TYPE

POSTAL ADDRESS: NH & MRC, DEPARTMENT OF HEALTH, P.O. BOX 100, WODEN, A.C.T. 2606
 COURIER DELIVERY ADDRESS: NH & MRC, DEPARTMENT OF HEALTH, ALEXANDER BUILDING, FURZER ST., PHILLIP, A.C.T 2606

1. CHIEF INVESTIGATORS (further details to be provided on Page 2)

Surname	NEWNAM	Title	DR	Initials	JP
Surname	REID	Title	DR	Initials	SE
Surname		Title		Initials	
Surname		Title		Initials	

2. PROJECT: (a) State descriptive scientific title of project, which should be concise but informative to workers outside your field. Do not exceed the 79 characters provided, leave a blank box between each word.

A	R	A	N	D	O	M	I	S	T	D	C	O	N	T	R	O	L	L	E	D	T	R	I	A	L	D	E	D	D	P	P		
L	E	R	W	A	V	E	F	D	R	M	A	N	A	L	Y	S	I	S	I	N	O	B	S	T	R	E	T	R	I	C	S		

Budget: NHMRC Grant Application 1987

21. Detailed Budget for first year of Project Items (6 mths only)	\$ Amount requested
1. Ultrasonographer (full-time)	12816
*2. Research Midwife (full-time)	12011
3. Clerk (full-time)	8891
4. Statistical support (details attached)	340
5. Maintenance (Doppler)	2350
6. Equipment (IBM PC)	13652
7. Consumables	150
For July to Dec, 1988	
*While this salary may appear excessive, predicted increases in nursing salaries may render this amount insufficient	

Mary Raine (nee Carter): 1877-1960



Mary and Jo Raine – Wedding Day 1943





“... to support research in Western Australia towards seeking, diagnosing and investigating the nature, origin and cause of diseases in human beings, and the prevention, cure, alleviation and combating of such diseases.”

THE ORIGINS OF DISEASE IN THE FETUS,
THE CHILD AND THE YOUNG ADULT : A
WESTERN AUSTRALIAN PREGNANCY COHORT STUDY.

Application for Research Grant : The
Arnold Yeldham and Mary Raine Medical
Research Foundation Research Committee.

Dr John P. Newnham University Department of
Obstetrics and Gynaecology

Professor Constantine A. Michael University Department of
Obstetrics and Gynaecology

Professor Louis I. Landau University Department of
Paediatrics

Dr Fiona J. Stanley University Department of
Medicine

August, 1988

West Australian Pregnancy Cohort (Raine) Study A Randomized Controlled Trial

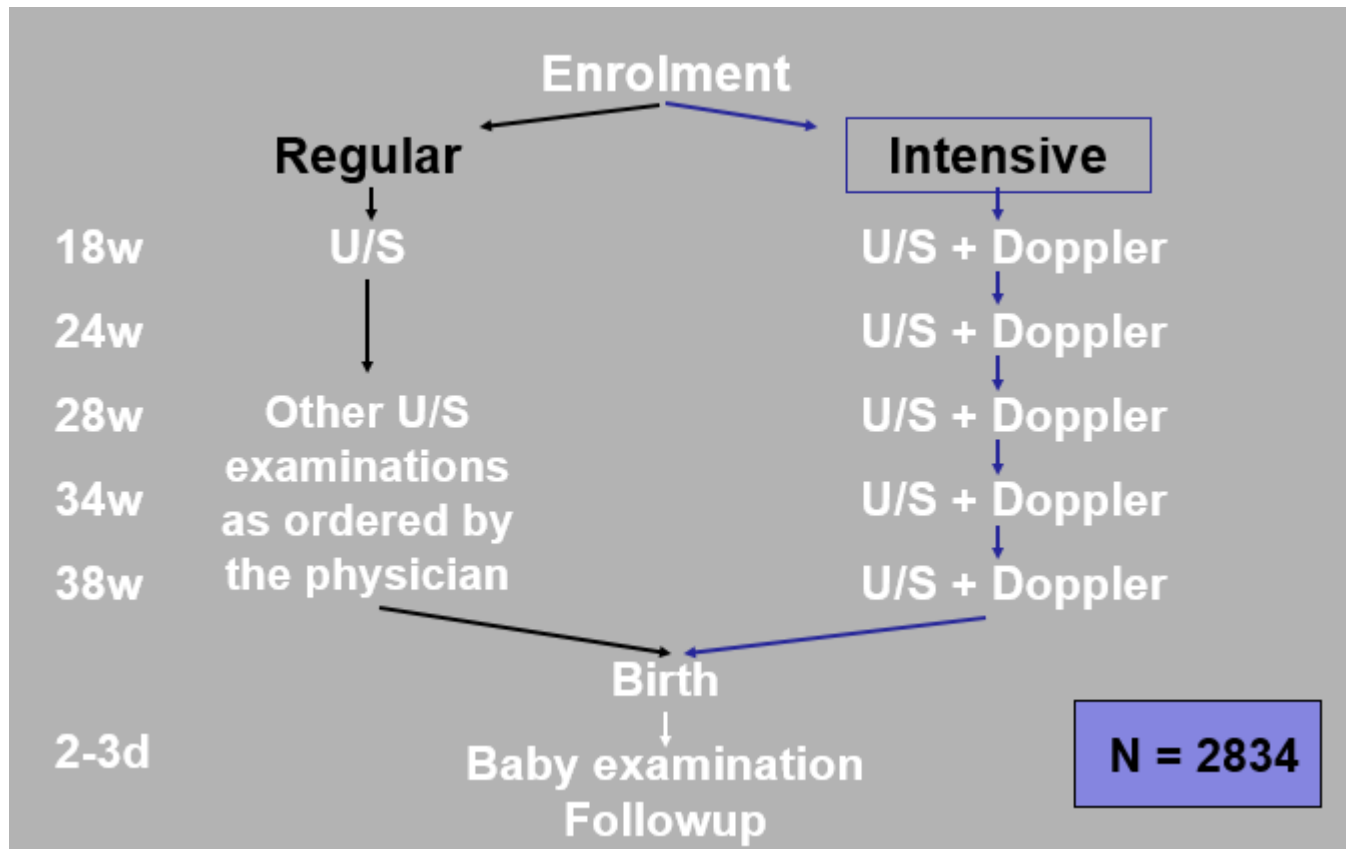
Hypotheses

Frequent prenatal ultrasound will:

1. Reduce neonatal stay by 0.25 days
2. Reduce preterm birth from 7% to 4.5%



West Australian Pregnancy Cohort (Raine) Study





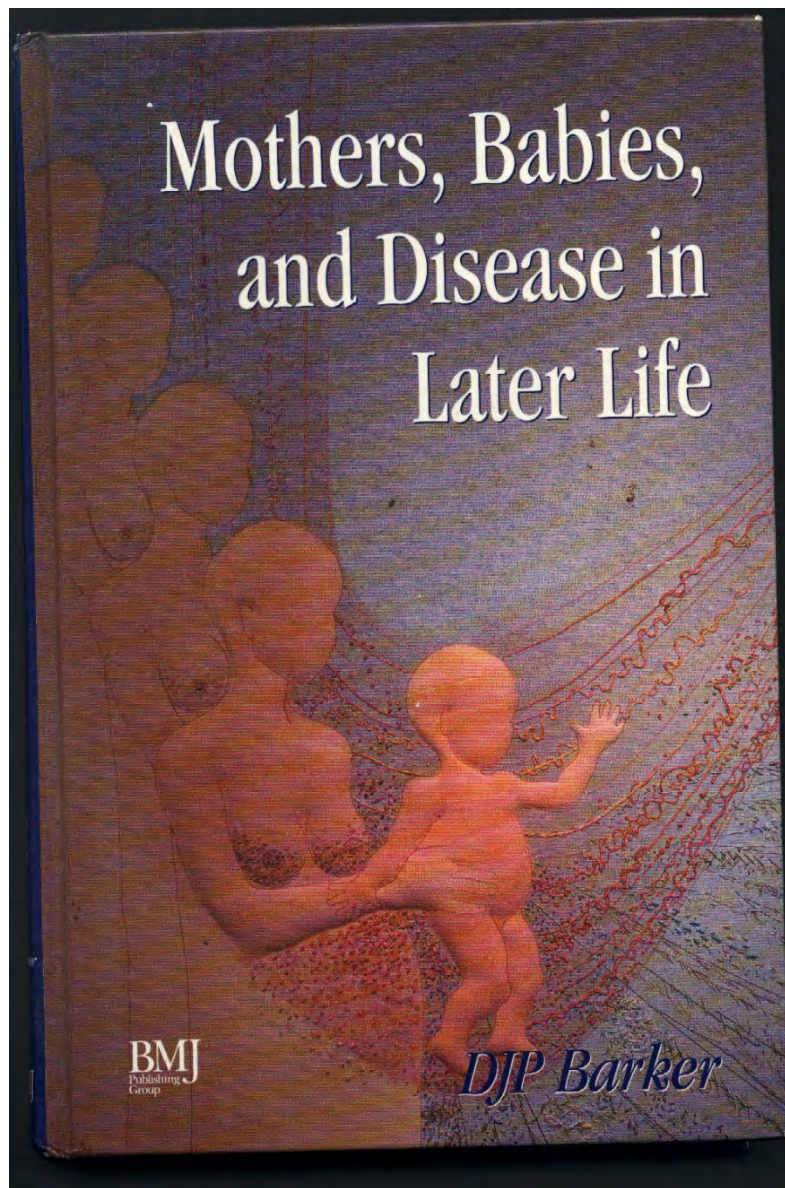
Dr Moira Westmore
Head, Dept of Anaesthesia, KEMH, 1989



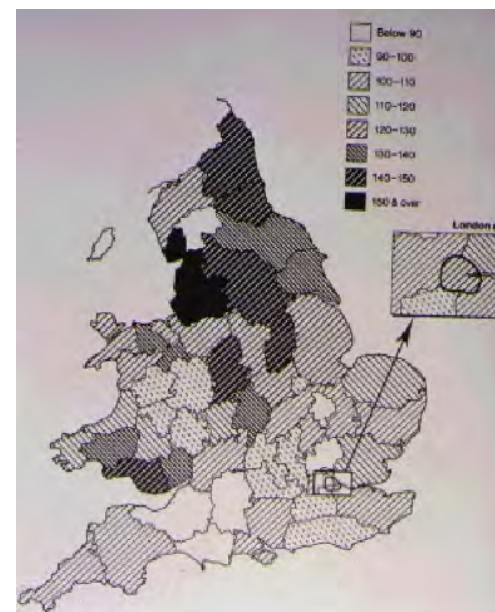
Give him a go..."

The “Raine Study” Team 1989





Professor David Barker







DOHaD 2007

5th International Congress
on Developmental
Origins of Health & Disease





Our UJV partners

