

List of Medical Research Projects in Papua New Guinea

Approved or Noted

By the Medical Research Advisory Committee in 1995

Sexuality, fertility and birth control in the Boiken of Papua New Guinea

Ms Angelica Braun (Tropical Health Program, University of Queensland Medical School, Herston Road, Herston, Queensland 4006, Australia)

Molecular basis of fucosyltransferase deficiencies

Dr Anne Fletcher, Dr John Sullivan, Ms Joan Harrington, Dr R. Tozer and Dr U. Aeno (Papua New Guinea Red Cross Blood Transfusion Service, PO Box 1174, Boroko, NCD 111)

The role of *Chlamydia trachomatis* infection and other factors in the development of postpartum upper genital tract infections

Dr Megan Passey, Dr Christopher Ekwempu, Dr Charles Mgone and Mr Tony Lupiwa (Papua New Guinea Institute of Medical Research, PO Box 60, Goroka, EHP 441)

A trial of a three-component blood-stage vaccine against *Plasmodium falciparum* in Papua New Guinea (Ro 45-2067, Ro 46-2924 and Ro 45-2164): clinical study protocol for Phase I trial of safety and immunogenicity in adult male volunteers

B. Genton, F. Al-Yaman, H-P. Beck, M. Baea, L. Rare, A. Narara, T. Smith, D. Stürchler, R. Anders, G.V. Brown, A. Saul, W.R.S. Briggs and M. Alpers (Papua New Guinea Institute of Medical Research, PO Box 60, Goroka, EHP 441)

Traditional and new modes of land use and their effects on biodiversity: a program of research and action in the Hagahai area of Madang Province

Michael Alpers and Larry Orsak (Papua New Guinea Institute of Medical Research, PO Box 60, Goroka, EHP 441)

Genetic variation and disease in Papua New Guinea

Jonathan Friedlaender, Ilyas Kamboh, Andrew Merriwether, Richard Yanagihara, Michael Alpers and Charles Mgone (Department of Human Genetics, Graduate School of Public Health, University of Pittsburgh, Pittsburgh, PA 15261, USA)

A case-control study of early neonatal deaths at the Port Moresby General Hospital to determine the causes, risk factors and the incidence of avoidable factors in these deaths

Assoc. Prof. Glen Mola, Prof. C.A. Klufio, Dr A.B. Amoa, Dr J. Novette and Dr M. Tovilu (Division of Obstetrics and Gynaecology, Department of Clinical Sciences, Faculty of Medicine, University of Papua New Guinea, PO Box 5623, Boroko, NCD 111)

A survey of PNG family planning clinic female clients' perceptions of their PNG spouses' knowledge of and attitude to family planning, and of the male partners' involvement in the clients' FP practice

Dr Grace Kariwiga, Prof. C.A. Klufio, Dr A.B. Amoa and Dr Fred Wurr (Division of Obstetrics and Gynaecology, Department of Clinical Sciences, Faculty of Medicine, University of Papua New Guinea, PO Box 5623, Boroko, NCD 111)

A case-control study of stillbirths at the Port Moresby General Hospital to determine the causes, risk factors and the incidence of avoidable factors in these deaths

Dr A.B. Amoa, Prof. C.A. Klufio, Dr Mary Moro and Assoc. Prof. G. Mola (Division of Obstetrics and Gynaecology, Port Moresby General Hospital, Free Mail Bag, Boroko, NCD 111)

A longitudinal study of hypertensive disorders of pregnancy admitted to the Port Moresby General Hospital

Dr A.B. Amoa, Prof. C.A. Klufio, Dr Grace Kariwiga, Dr Shirley Heywood and Dr Apana Ray (Division of Obstetrics and Gynaecology,

Port Moresby General Hospital, Free Mail Bag, Boroko, NCD 111)

A retrospective survey of haemoglobin levels in pregnancy at Port Moresby General Hospital and the influence of the haemoglobin level on selected maternal and perinatal outcomes

Prof. Cecil A. Klufio, Dr Shirley Heywood, Dr A.B. Amoa and Dr Grace Kariwiga (Division of Obstetrics and Gynaecology, Department of Clinical Sciences, Faculty of Medicine, University of Papua New Guinea, PO Box 5623, Boroko, NCD 111)

Evaluation of single-dose diethylcarbamazine (DEC) and DEC-fortified salt as intervention against banroftian filariasis in Papua New Guinea

Peter J. Sapak (Tropical Health Program, University of Queensland Medical School, Herston Road, Herston, Queensland 4006, Australia)

Longitudinal study of health and economic development among the Mt Obree people, Inland Rigo District, Central Province, Papua New Guinea

Tukutau Taufau and Vui Mea (Department of Community Medicine, Faculty of Medicine, University of Papua New Guinea, PO Box 5623, Boroko, NCD 111)

Assessment of knowledge, attitudes and behaviour of different categories of students in relation to HIV infection

Dr Hanny Friesen and colleagues (Department of Clinical Sciences, Faculty of Medicine, University of Papua New Guinea, PO Box 5623, Boroko, NCD 111)

Survey to assess current infant feeding practices in selected areas of Papua New Guinea

Dr Hanny Friesen and colleagues (Department of Clinical Sciences, Faculty of Medicine, University of Papua New Guinea, PO Box 5623, Boroko, NCD 111)

The epidemiology of gonococcal and nongonococcal urethritis among male patients attending the Sexually Transmitted Disease Clinic in Port Moresby General Hospital

Dr Aung Myo Han and Dr Job Hawap (Department of Community Medicine, Faculty of Medicine, University of Papua New Guinea,

PO Box 5623, Boroko, NCD 111)

Operation Anopheles 1995: an anopheline mosquito survey of the Madang region of Papua New Guinea

Maj. R.D. Cooper (Army Malaria Research Unit, MILPO, Ingelburn, NSW 2174, Australia)

Malaria on the Trobriand Islands and research on the molecular biology of Austronesian peoples

Prof. Wulf Schiefenhövel (Forschungsstelle für Humanethologie in der Max-Planck-Gesellschaft, Von-Der-Tann-Str. 3-5, D-82346 Erling-Andechs, Germany)

Determinants of fertility among the Huli in the Tari Basin, Southern Highlands Province

Dr Deborah Lehmann, John Vail, Michael Wyrsh and Peter Vail (Papua New Guinea Institute of Medical Research, PO Box 60, Goroka, EHP 441)

Health workers, family planning and sexuality: a study of attitudes and concerns of health workers in government and mission health facilities

Dr Carol Jenkins (Papua New Guinea Institute of Medical Research, PO Box 60, Goroka, EHP 441)

Immune mechanisms against the merozoite surface protein-1 of *Plasmodium falciparum* in a population living in a hyperendemic region of Papua New Guinea

Dr Kenton Kramer (Department of Tropical Medicine and Medical Microbiology, University of Hawaii, John A Burns School of Medicine, 3675 Kilauea Avenue, Honolulu, Hawaii 95816, USA)

Investigation of sequence diversity of the AMA-1 protein of *Plasmodium falciparum*

Dr Rachel Taylor (Division of Biological Sciences, Institute of Cell, Animal and Population Biology, University of Edinburgh, Ashworth Laboratories, King's Buildings, West Mains Road, Edinburgh EH9 3JT, United Kingdom)

Statistical analysis of epidemiological data, with particular reference to malaria

Dr Tom Smith (Swiss Tropical Institute, Socinstrasse 57, Postfach, CH-4002 Basel, Switzerland)

Oral microorganisms, periodontal disease and skin ulceration

Prof. William A. Falkler Jr (Department of Microbiology, University of Maryland Dental School, 666 W. Baltimore Street, Baltimore, MD 21201-1586, USA)

Development and application of immunodiagnostic tests to study transmission of human strongyloidiasis

Dr Guy Barnish, Prof. Philip Craig and Dr Jennifer Bailey (Department of Parasitology, Liverpool School of Tropical Medicine, Pembroke Place, Liverpool L3 5QA, United Kingdom)

Three-year operational study of benefits and effectiveness of three different drug regimes for lymphatic filariasis

Dr Paul Turner (Department of Public Health and Tropical Medicine, James Cook University of North Queensland, Townsville, Queensland 4811, Australia)

Three-year operational study of clinical improvement/effects associated with three different mass treatment programs for lymphatic filariasis

Dr P. Turner and Dr H. Graham (Department of Public Health and Tropical Medicine, James Cook University of North Queensland, Townsville, Queensland 4811, Australia)

To map the prevalence of lymphatic filariasis in Papua New Guinea using the *Tropbio* filariasis antigen assay

Dr P. Turner (Department of Public Health and Tropical Medicine, James Cook University of North Queensland, Townsville, Queensland 4811, Australia)

The prevalence of intestinal spirochaetes in villagers and domestic animals in the Eastern Highlands

Assoc. Prof. David Hampson, Dr Barry Combs and Mr Darren Trott (School of Veterinary Studies, Murdoch University, Murdoch, WA 6150, Australia)

Drug oxidation phenotyping in Papua New Guinea Melanesians

Dr S. Wanwimolruk, Prof. P.F. Coville, Dr J.A.K. Lauwo, Ms Stella Pihau and Dr Francis Hombhanjie (Department of Pharmacy, Faculty of Health Sciences, University of Papua New

Guinea, PO Box 1034, Boroko, NCD 111)

Incidence of urinary tract infections in children one month to 13 years old presenting with a temperature greater than 37.5 degrees to Children's Outpatients of the Port Moresby General Hospital

Dr Momia Teariki-Tautea, Prof. John Vince, Dr L. Roy and Prof. J. Igo (Department of Clinical Sciences, Faculty of Medicine, University of Papua New Guinea, PO Box 5623, Boroko, NCD 111)

Cross-sectional diabetes survey in National Capital District and two rural communities in Manus and Central Province

Dr Amos Benjamin (Urban Health Centres – NCD, Department of Health, PO Box 1630, Boroko, NCD 111)

A proposed clinical trial of zinc supplementation for preschool children in the Wosera to examine the effect on malaria morbidity

Dr Anuraj H. Shankar, Dr Blaise Genton and Dr Michael Alpers (Division of Human Nutrition, Department of International Health, School of Public Health and Hygiene, Johns Hopkins University, 615 N Wolfe Street, Baltimore, Maryland 21205, USA)

Postpartum upper genital tract infections: risk factors, management and prevention

Dr Megan Passey (Papua New Guinea Institute of Medical Research, PO Box 60, Goroka, EHP 441)

The spatial dynamics of mosquito transmission of lymphatic filariasis in Papua New Guinea

Ms Mary Chambers, Dr Bryan Grenfell and Dr Edwin Michael (Department of Zoology, University of Cambridge, Downing Street, Cambridge CB2 3EJ, United Kingdom)

Situational assessment of family planning (FP) and antenatal (AN) care in Enga Province

Mr Simon T. Sopia (Division of Health, Department of Enga Province, PO Box 110, Wabag, Enga Province 291)

Study of the aetiology of coma at Port Moresby General Hospital

Dr Gibson Pawape and Prof. Sirius Naraq (Division of Medicine, Port Moresby General Hospital, Free Mail Bag, Boroko, NCD 111)

Acute effects of betel nut on the heart and cardiovascular system

Prof. Isi H. Kevau, Dr Jacob Wembri, Dr Amit SenGupta and Prof. Sirus Naraqı (Division of Medicine, Department of Clinical Sciences, Faculty of Medicine, University of Papua New Guinea, PO Box 5623, Boroko, NCD 111)

Maternal mortality and male attitudes concerning reproduction amongst the Tolukuma Yulai, Goilala District, Central Province, Papuan Highlands, Papua New Guinea

Assoc. Prof. Kerry J. Pataki-Schweizer (Department of Community Medicine, Faculty of Medicine, University of Papua New Guinea, PO Box 5623, Boroko, NCD 111)

Clinicopathological study of elastofibroma dorsii in Melanesian populations of Papua New Guinea

Dr D.P. Murthy and Dr S.K. SenGupta (Department of Pathology, Faculty of Medicine, University of Papua New Guinea, PO Box 5623, Boroko, NCD 111)

Glomerular disease in Papua New Guinea: clinical, histological and immunological aspects

Dr Ashim K. Sinha, Assoc. Prof. D.P. Murthy, Prof. I.H. Kevau, Prof. S. Naraqı, Dr A. Saweri, Dr A. SenGupta, Dr P. Chakravarti, Dr U. Ray and Dr Michael Falk (Division of Medicine, Department of Clinical Sciences, Faculty of Medicine, University of Papua New Guinea, PO Box 5623, Boroko, NCD 111)

Evaluation and feedback of prescribing patterns and dispensing habits at the

Outpatients Department, Port Moresby General Hospital

Dr P.G.K. Kigodi and Dr J.A.K. Lauwo (Department of Pharmacy, Faculty of Health Sciences, University of Papua New Guinea, PO Box 1034, Boroko, NCD 111)

Isolation and characterization of the emetic and vasodilator principles of *Gnidia kraussiana* Meisin

Dr P.G.K. Kigodi (Department of Pharmacy, Faculty of Health Sciences, University of Papua New Guinea, PO Box 1034, Boroko, NCD 111)

Natural history of melioidosis in the Balimo District of the Western Province, Papua New Guinea, with special reference to children

Mr Jeff Warner (Balimo Health Centre, PO Box 4, Balimo, Western Province 336)

Note:

These projects have been examined and cleared by the MRAC but they have not all started, nor is there any guarantee that they all will, since in many cases this still depends on funding. It should be noted that from 1984 until 1994, with the exception of 1989, project funds for the MRAC were totally deleted from the Health Budget, but some funds were made available in 1995.

Information about these projects may be obtained from the investigators or from the Chairman of the Medical Research Advisory Committee (Division of Policy, Planning and Evaluation, Department of Health, PO Box 807, Waigani, NCD).