## CURRICULUM VITAE

**Name**: Nicholas John White

**Date of birth**: 13.3.1951

**Marital status**: Married, 3 children

**Education**:

1961-68 St. John's College, Southsea, Hants

1968-74 Guy's Hospital Medical School

**Degrees**:

1971 BSc Pharmacology, University of London

 1st Class Hons.

1974 MB, BS University of London

 Honours in Medicine, Surgery, Pathology and

 Applied Pharmacology and Therapeutics

 University Gold Medal

1976 MRCP (UK)

1984 MD University of London

1986 MA University of Oxford (Hon)

1989 FRCP

1995 DSc Medicine, University of London

1. F Med Sci

2006 FRS (London)

2008 DSc Tropical medicine *Honoris causa,* Mahidol University

2009 DSc Tropical medicine *Honoris causa,*

 University of Amsterdam.

**GMC number 1708660**

**Positions**:

1974 Britain Nepal Medical Trust, Chainpur, Nepal

1974/75 House Physician, Professorial Unit of Medicine, Guy's Hospital, London

1975 House Surgeon, Mr Lawrie, Guy's Hospital, London

1976 SHO Gastroenterology & General Medicine, Royal Postgraduate Medical School, Hammersmith Hospital, London

1976/77 SHO Cardiology, Brompton Hospital, London

1977 SHO Neurology, National Hospital for Nervous Diseases, Queen Square, London

1977-79 Medical Registrar, Nuffield Department of Medicine, University of Oxford, Radcliffe Infirmary and John Radcliffe Hospitals, Oxford, UK.

1979/80 Senior Registrar, MRC Department of Clinical Pharmacology, University of Oxford, Oxford, UK.

1980-83 Lecturer, Wellcome Unit, Faculty of Tropical Medicine, Mahidol University, Bangkok, Thailand.

 and

 Tropical Medicine Research Unit, Nuffield Department of Clinical Medicine, University of Oxford, UK.

1984/85 Senior Fellow, Division of Infectious Disease, Department of Medicine, Harborview Medical Center, University of Washington, Seattle, USA.

1985- Senior Lecturer, Tropical Medicine Research Unit, Nuffield Department of Clinical Medicine, University of Oxford, UK.

 and

 Faculty of Tropical Medicine, Mahidol University, Bangkok, Thailand.

From Sept. 1986-1996

 Wellcome Trust University Lecturer in Tropical Medicine, University of Oxford, UK.

From Sept. 1986-2001

 Director, Wellcome Trust-Mahidol University, Oxford Tropical Medicine Research Programme, Faculty of Tropical Medicine, Mahidol University, Bangkok, Thailand.

From Sept. 1986- Honorary Consultant Physician, John Radcliffe Hospital, Oxford, UK.

From Jan. 1991-1998

Director, Wellcome Trust Clinical Research Unit, Centre for Tropical Diseases, Cho Quan Hospital, Ho Chi Minh City, Vietnam.

From 1991 Wellcome Trust: Principal fellow

From 1995 Professor, Mahidol University, Bangkok, Thailand

From 1996 Professor of Tropical Medicine, University of Oxford.

From 2004-2008 Chairman; Oxford University Tropical Medicine Network

From 2006 Fellow of St John’s College, Oxford

From 2009 Chairman; Worldwide Antimalarial Resistance Network

**Present position**: Chairman; Wellcome Trust South East Asian Research Units,

Professor of Tropical Medicine, University of Oxford and Mahidol University, Bangkok,

 Consultant Physician, John Radcliffe Hospital, Oxford

## World Health Organisation advisory positions

June 1985 World Health Organisation, Co-rapporteur and advisor at meeting on management of severe falciparum malaria, Kuala Lumpur, Malaysia.

1995-7 Member of World Health Organisation Tropical Diseases Research Advisory Committee on the Chemotherapy of Malaria (CHEMAL)

1996-present Member of World Health Organisation TDR artesunate product development team.

1996-2001 Member of World Health Organisation TDR pyronaridine product development teams.

1998-2001 Chairman of World Health Organisation TDR Resistance and Policies Task Force.

2001-2004 Chairman of World Health Organisation, Roll Back Malaria, Technical Advisory Group on artemether-lumefantrine.

2001-2004 Member of the World Health Organisation TDR Intervention Development and Evaluation Proof of Principle Committee.

2003-2005 World Health Organisation Consultant to advise the Myanmar Ministry of Health on Malaria treatment policy and guidelines.

2003 Member of the World Health Organisation SARS clinical trials advisory group

2003– 2006 Member of the World Health Organisation Technical Advisory Group on ACT deployment

2004-present Co-Chairman of World Health Organisation Antimalarial Treatment Guidelines Committee

2006-2007 Chairman of World Health Organisation Global Malaria Programme Technical Expert Group on the case management of malaria.

2007 Co-Chairman of World Health Organisation Global Malaria Programme Committee on Intermittent Preventive Treatment in pregnancy.

2007-present Co-chairman of World Health Organisation Global Malaria Programme Technical Expert Group on the prevention and treatment of malaria.

2008 Chairman of World Health Organisation Global Malaria Programme Committee on Intermittent Preventive Treatment in infancy.

2011 Coordinator; World Health Organisation; Severe Malaria review

2012 Member World Health Organisation Global Malaria Programme Malaria Policy Advisory Committee

2012 Co-chair: World Health Organisation Global Malaria Programme Evidence Review Group on use of primaquine as a *P.falciparum* gametocytocide.

**Additional posts or advisory positions**:

1983/84 Assistant Medical Officer to the University of Oxford, UK.

1989/90 Vice Captain, Thailand Cricket Team

1994 Visiting Professor, Department of Internal Medicine, Academic Medical Centre, University of Amsterdam.

2000 Visiting Professor: Duke University Medical Center

2001-3 Member of the Drugs for Neglected Diseases advisory group.

2002-4 Institute of Medicine committee on the Economics of Antimalarial Drugs

2002-5 Secretary; Dihydroartemisinin-piperaquine research and development team.

2004- 2010 ` Member of the NIH - Wellcome Trust avian influenza research collaboration.

2005-present Malaria advisor; The Clinton Foundation

2007-present Advisor; Against Malaria Foundation

2008 Ruitinga van Swietenstichting visiting Professor, Academic Medical Center, Amsterdam

2008-present Advisor; Global Fund for HIV, TB and Malaria on the Affordable Medicines for Malaria initiative.

2008-present International Advisory Editor.Harrison's Principles of Internal Medicine.

2009-present Chairman of the WorldWide Antimalarial Resistance Network

**Fellowships**:

Royal College of Physicians

Royal Society of Tropical Medicine and Hygiene

Derrick Dunlop Travelling Fellowship 1983

MRC Travelling Fellowship 1984/85

Wellcome Trust Principal Fellowship 1991-

Academy of Medical Sciences 2001-

Royal Society of London 2006-

**Memberships**:

British Society for the Study of Infection

American Society of Tropical Medicine & Hygiene (Honorary member)

British Medical Association

British Pharmacological Society

American Society of Microbiology

Australasian Society for Infectious Diseases (Honorary life member)

Federation of Infectious Diseases Societies of South Africa (Honorary member)

**Recent grants: (applicant unless stated)**

**Wellcome Trust:**

Studies on malaria, melioidosis and sexually transmitted diseases in Thailand; £1.5 million; 1991-2011; (Principal Research Fellowship)

Thailand Major Overseas Programme £15 million; 2005- 2010; (co-applicant)

Open label multi-centre randomised comparison of artesunate and quinine in patients with severe falciparum malaria in East Asia; £233,100; 2003-2006.

An open label randomised comparison of artesunate and quinine in patients with severe falciparum malaria in Africa; £370,000; 2005- 2007- £2.36 million; 2007-2010.

Reducing childhood mortality in the tropics; development of a combined antimalarial-antibacterial rectal formulation for community use. Preliminary scoping excercise. £250,000; 2008-2010.

Defining the role of primaquine in malaria elimination £2.35 million; 2009 to 2014.

**MMV**; Dihydroartemisinin - piperaquine: an effective, affordable and well tolerated fixed dose antimalarial combination; £1.5 million; 2004 -2007.

**Bill and Melinda Gates Foundation;** award  for the confirmation, characterisation, and containment of artemisinin resistant falciparum malaria. 2007-9 (co-applicant) £1 million.

Identifying a laboratory marker of artemisinin resistance. 2011-2013. $3 million

**Department for International Development;** Tracking artemisinin resistance collaboration (TRAC) together with WHO, and the London and Liverpool Schools of Tropical Medicine. £5 million.

**Awards**:

Institute of Tropical Medicine and Hygiene, Rotterdam - Leiden: Van Thiel Medal 1986

Royal College of Physicians, Frederick Murgatroyd Medal 1991.

Royal College of Tropical Medicine and Hygiene, Chalmers Medal 1993.

Marcolongo lecturer, American Society of Tropical Medicine 1994.

South African College of Pathology, guest lecturer 1996

Ashdown Oration: Australian College of Tropical Medicine 1998

OBE : Queen's Birthday Honours 1999.

Forbes Fellowship: Melbourne Hospitals 1999

ICAAC plenary lecturer; Chicago 2003

Sir Macfarlane Burnet Address; Australasian Society for Infectious Diseases Meeting, Alice Springs, 2004.

PB Fernando oration: Sri Lankan college of Physicians, Colombo. 2004

9th WPCCID plenary lecturer, Bangkok 2004

Royal Society; Glaxo SmithKline prize and medal 2005

The Gorgas Memorial and Leon Jacobs lecturer, US National Institutes of Health 2007.

3rd Bill and Melinda Gates Foundation Grand Challenges meeting, plenary lecturer, Bangkok 2008

Ruysch lecturer, Academic Medical Center, Amsterdam, 2008

Sanofi-Aventis ICAAC lecturer and award, 2009

Academy of Medical Sciences; International Health Lecture 2009.

Canada Gairdner Foundation Global Health Prize 2010

Royal Society of Tropical Medicine and Hygiene: Manson medal 2010

Prince Mahidol prize for Medicine 2010

Worshipful Society of Apothecaries, the Galen Medal in Therapeutics for 2012

**Editorial or Advisory Boards**

Acta Leidensia 1993-1995

Journal of Infectious Diseases 1994- 2002

The Lancet 1996-

Asia Pacific Journal of Immunology 1996-

Thailand-WHO TDR Collaboration 1996-2001

Journal of Infection 1997 - 2002

European Journal of Clinical Pharmacology 1998-

Drug Resistance Updates 1998-2010

South East Asian Journal of Tropical Medicine and Public Health 2001-

Malaria Foundation International 2001-

The Malaria Journal 2002-

Tropical Medicine and International Health 2002-

Antimicrobial Agents and Chemotherapy 2004-

Public Library of Science (PLOS) Medicine 2004-

Chemotherapy 2005-

PLoS one 2007-

International Health 2010-

British Journal of Clinical Pharmacology (International Editorial Board) 2012-

**Publications**:

1. Jones P, White NJ, Rawcliffe P, Segal AW. Painless ascites in systemic lupus erythematosus. *Br Med J* 1977; **274**: 467.
2. White NJ. Nervous endemic cretinism in Eastern Nepal.  *J Develop Med Child Neurol* 1977; **19**: 208‑212.
3. Williams BD, White NJ, Amlott P, Slaney J, Toseland P. Circulating immune complexes after repeated halothane anaesthesia.  *Br Med J* 1977; **274**: 522‑524.
4. White NJ. Complex visual hallucinations in partial blindness due to eye disease.  *Br J Psychiat* 1980; **136**: 284‑286.
5. White NJ, Winearls CG, Ledingham JGG. Systemic lupus erythematosus and nephritis; severe relapse with disappearance of antinuclear antibodies.  *Br Med J* 1980; **281**: 194‑195.
6. White NJ, Rajagopalan B, Yahaya H, Ledingham JGG. Captopril and frusemide in severe drug resistant hypertension.  *Lancet* 1980; **ii**: 108‑110.
7. White NJ. Heart rate changes on standing in elderly patients with orthostatic hypotension.  *Clin Sci* 1980; **58**: 411‑413.

**1981**

1. Peacock AJ, Bunch C, White NJ. Arteritis of the arms.  *Br Med J* 1981; **282**: 1663.

1. White NJ, Looareesuwan S, Warrell DA, Chongsuphajaisiddhi T, Bunnag D, Harinsasuta T. Quinidine in falciparum malaria.  *Lancet* 1981; **ii**: 1069‑1072.
2. White NJ, Barnes TRE. Senile parkinsonism, a survey of current treatment.  *Age ageing* 1981; **10**: 81‑86.

**1982**

1. White NJ, Looareesuwan S, Warrell DA, Warrell MJ, Bunnag D, Harinasuta T. Quinine pharmacokinetics and toxicity in cerebral and uncomplicated falciparum malaria.  *Am J Med* 1982; **73**: 564‑572.
2. Druilhe P, Brasseur P, Agrapart M, Ballet JJ, Chanthavanich P, Looareesuwan S, White NJ, Warrell DA, Warrell MJ, Tharavanij S. T‑cell responsiveness in severe *Plasmodium falciparum* malaria.  *Trans R Soc Trop Med Hyg* 1983; **77**: 671‑672.
3. Krishna S, Shoubridge EA, White NJ, Weatherall DJ, Radda GK.  *Plasmodium yoelii*: blood oxygen and brain function in the infected mouse.  *Exp Parasitol* 1983; **56**: 391‑396.
4. Looareesuwan S, Warrell DA, White NJ, Chanthavanich P, Warrell MJ, Chantaratherakitti S, Changswek S, Chongmankongcheep L, Kanchanaranya C. Retinal hemorrhage, a common sign of prognostic significance in cerebral malaria.  *Am J Trop Med Hyg* 1983; **32**: 911‑915.
5. Looareesuwan S, Warrell DA, White NJ, Sutharasamai P, Chanthavanich P, Sundaravej K, Juel Jensen BE, Bunnag D, Harinasuta T. Do patients with cerebral malaria have cerebral oedema? A computed tomography study.  *Lancet* 1983; **1**: 434‑437.
6. Teklu B, Habte Michael A, Warrell DA, White NJ, Wright DJ. Meptazinol diminishes the Jarisch‑Herxheimer reaction of relapsing fever. *Lancet* 1983; **1**: 835‑839.
7. Warrell DA, Looareesuwan S, White NJ, Theakston RD, Warrell MJ, Kosakarn W, Reid HA. Severe neurotoxic envenoming by the Malayan krait *Bungarus candidus* (Linnaeus): response to antivenom and anticholinesterase.  *Br Med J* 1983; **286**: 678‑680.
8. White NJ, Looareesuwan S, Warrell DA. Quinine and quinidine: a comparison of EKG effects during the treatment of malaria.  *J Cardiovasc Pharmacol* 1983; **5**: 173‑175.
9. White NJ, Chanthavanich P, Krishna S, Bunch C, Silamut K. Quinine disposition kinetics.  *Br J Clin Pharmacol* 1983; **16**: 399‑403.
10. White NJ, Winearls CG, Smith R. Cardiovascular abnormalities in osteogenesis imperfecta.  *Am Heart J* 1983; **106**: 1416‑1420.
11. White NJ, Warrell DA, Chanthavanich P, Looareesuwan S, Warrell MJ, Krishna S, Williamson DH, Turner RC. Severe hypoglycemia and hyperinsulinemia in falciparum malaria.  *N Engl J Med* 1983; **309**: 61‑66.
12. White NJ, Warrell DA. Clinical management of chloroquine‑resistant *Plasmodium falciparum* malaria in Southeast Asia.  *Trop Doct* 1983; **13**: 153‑158.
13. White NJ, Looareesuwan S, Silamut K. Red cell quinine concentrations in falciparum malaria.  *Am J Trop Med Hyg* 1983; **32**: 456‑460.
14. White NJ, Looareesuwan S, Warrell DA, Warrell MJ, Chanthavanich P, Bunnag D, Harinasuta T. Quinine loading dose in cerebral malaria.  *Am J Trop Med Hyg* 1983; **32**: 1‑5.

**1984**

1. Boon NA, Aronson JK, Hallis KF, White NJ, Raine AE, Grahame‑Smith DG. A method for the study of cation transport in vivo: effects of digoxin administration and of chronic renal failure on the disposition of an oral load of rubidium chloride.  *Clin Sci* 1984; **66**: 569‑574.
2. Phillips RE, Looareesuwan S, Karbwang J, Warrell DA, White NJ, Kasemsarn P, Warhurst DC. Failure of chloroquine‑erythromycin and chloroquine‑tetracycline combinations in treatment of chloroquine‑resistant falciparum malaria in eastern Thailand.  *Lancet* 1984; **1**: 300‑302.
3. Ward KN, Warrell MJ, Rhodes J, Looareesuwan S, White NJ. Altered expression of human monocyte Fc receptors in *Plasmodium falciparum* malaria.  *Infect Immun* 1984; **44**: 623‑626.
4. White NJ, Juel Jensen BE. Infectious mononucleosis hepatitis.  *Semin Liver Dis* 1984; **4**: 301‑306.

**1985**

1. Chanthavanich P, Looareesuwan S, White NJ, Warrell DA, Warrell MJ, DiGiovanni JH, von Bredow J. Intragastric mefloquine is absorbed rapidly in patients with cerebral malaria.  *Am J Trop Med Hyg* 1985; **34**: 1028‑1036.
2. Looareesuwan S, Phillips RE, White NJ, Karbwang J, Benjasurat Y, Attanath P, Warrell DA. Intravenous amodiaquine and oral amodiaquine/erythromycin in the treatment of chloroquine‑resistant falciparum malaria.  *Lancet* 1985; **2**: 805‑808.
3. Looareesuwan S, Phillips RE, White NJ, Kietinun S, Karbwang J, Rackow C, Turner RC, Warrell DA. Quinine and severe falciparum malaria in late pregnancy.  *Lancet* 1985; **2**: 4‑8.
4. MacPherson GG, Warrell MJ, White NJ, Looareesuwan S, Warrell DA. Human cerebral malaria. A quantitative ultrastructural analysis of parasitized erythrocyte sequestration. *Am J Pathol* 1985; **119**: 385‑401.
5. McKinlay AW, White NJ, Buxton D, Inglish JM, Johnston FWA, Kurtz JB, Brettle RP. Severe chlamydial sepsis in pregnancy.  *Quart J Med* 1985; **57**: 689‑696.
6. Phillips RE, Warrell DA, White NJ, Looareesuwan S, Karbwang J. Intravenous quinidine for the treatment of severe falciparum malaria. Clinical and pharmacokinetic studies.  *N Engl J Med* 1985; **312**: 1273‑1278.
7. Silamut K, White NJ, Looareesuwan S, Warrell DA. Binding of quinine to plasma proteins in falciparum malaria.  *Am J Trop Med Hyg* 1985; **34**: 681‑686.
8. Teklu B, Habte Michael A, White NJ, Warrell DA, Wright DJ, Turner RC. Glucose and insulin homeostasis during the Jarisch‑Herxheimer reaction.  *Trans R Soc Trop Med Hyg* 1985; **79**: 74‑77.
9. Usawattanakul W, Tharavanij S, Warrell DA, Looareesuwan S, White NJ, Supavej S, Soikratoke S. Factors contributing to the development of cerebral malaria. II. Endotoxin. *Clin Exp Immunol* 1985; **61**: 562‑568.
10. White NJ. Clinical pharmacokinetics of antimalarial drugs.  *Clin Pharmacokinet* 1985; **10**: 187‑215.
11. White NJ, Warrell DA, Looareesuwan S, Chanthavanich P, Phillips RE, Pongpaew P. Pathophysiological and prognostic significance of cerebrospinal‑fluid lactate in cerebral malaria.  *Lancet* 1985; **1**: 776‑778.

**1986**

1. Looareesuwan S, White NJ, Chanthavanich P, Edwards G, Nicholl DD, Bunch C, Warrell DA. Cardiovascular toxicity and distribution kinetics of intravenous chloroquine.  *Br J Clin Pharmacol* 1986; **22**: 31‑36.
2. Phillips RE, Looareesuwan S, White NJ, Silamut K, Kietinun S, Warrell DA. Quinine pharmacokinetics and toxicity in pregnant and lactating women with falciparum malaria. *Br J Clin Pharmacol* 1986; **21**: 677‑683.
3. Phillips RE, Looareesuwan S, Warrell DA, Lee SH, Karbwang J, Warrell MJ, White NJ, Swasdichai C, Weatherall DJ. The importance of anaemia in cerebral and uncomplicated falciparum malaria: role of complications, dyserythropoiesis and iron sequestration.  *Q J Med* 1986; **58**: 305‑323.
4. Phillips RE, Looareesuwan S, White NJ, Chanthavanich P, Karbwang J, Supanaranond W, Turner RC, Warrell DA. Hypoglycaemia and antimalarial drugs: quinidine and release of insulin.  *Br Med J* 1986; **292**: 1319‑1321.
5. Warrell DA, Looareesuwan S, Phillips RE, White NJ, Warrell MJ, Chapel HM, Areekul S, Tharavanij S. Function of the blood‑cerebrospinal fluid barrier in human cerebral malaria: rejection of the permeability hypothesis.  *Am J Trop Med Hyg* 1986; **35**: 882‑889.
6. World Health Organization Malaria Action Programme; (co‑rapporteur). Severe and complicated malaria.  *Trans R Soc Trop Med Hyg* 1986; **80 (suppl)**: 1‑50.

**1987**

1. Chapel HM, Warrell DA, Looareesuwan S, White NJ, Phillips RE, Warrell MJ, Supawanta V, Tharavanij S. Intrathecal immunoglobulin synthesis in cerebral malaria. *Clin Exp Immunol* 1987; **67**: 524‑530.
2. Edwards G, Davies AJ, Phillips RE, Looareesuwan S, Karbwang J, White NJ, Warrell DA. Plasma concentrations and toxicity of chloroquine after slow intravenous infusion in patients with falciparum malaria.  *Ann Trop Med Parasitol* 1987; **81**: 79‑84.
3. Looareesuwan S, White NJ, Silamut K, Phillips RE, Warrell DA. Quinine and severe falciparum malaria in late pregnancy.  *Acta Leidensia* 1987; **55**: 115‑120.
4. Looareesuwan S, White NJ, Chittamas S, Bunnag D, Harinasuta T. High rate of *Plasmodium vivax* relapse following treatment of falciparum malaria in Thailand.  *Lancet* 1987; **2**: 1052‑1055.
5. Looareesuwan S, Ho M, Wattanagoon Y, White NJ, Warrell DA, Bunnag D, Harinasuta T, Wyler DJ. Dynamic alteration in splenic function during acute falciparum malaria.  *N Engl J Med* 1987; **317**: 675‑679.
6. Looareesuwan S, White NJ, Warrell DA, Forgo I, Dubach UG, Ranalder UB, Schwartz DE. Studies of mefloquine bioavailability and kinetics using a stable isotope technique: a comparison of Thai patients with falciparum malaria and healthy Caucasian volunteers. *Br J Clin Pharmacol* 1987; **24**: 37‑42.
7. Nosten F, Imvithaya S, Vincenti M, Delmas G, Lebihan G,Hausler B, White NJ. Malaria on the Thai‑Burmese border: treatment of 5182 patients with mefloquine‑ sulfadoxine‑pyrimethamine combination.  *Bull WHO* 1987; **65**: 891‑896.
8. Wattanagoon Y, Taylor RB, Moody RR, Ochekpe NA, Looareesuwan S, White NJ. Single dose pharmacokinetics of proguanil and its metabolites in healthy subjects.  *Br J Clin Pharmacol* 1987; **24**: 775‑780.
9. White NJ. Clinical and pathological aspects of severe malaria.  *Acta Leidensia* 1987; **56**: 27‑46.
10. White NJ. The pharmacokinetics of quinine and quinidine in malaria.  *Acta Leidensia* 1987; **55**: 65‑76.
11. White NJ, Miller KD, Marsh K, Berry CD, Turner RC, Williamson DH, Brown J. Hypoglycaemia in African children with severe malaria.  *Lancet* 1987; **1**: 708‑711.
12. White NJ, Looareesuwan S, Edwards G, Phillips RE, Karbwang J, Nicholl DD, Bunch C, Warrell DA. Pharmacokinetics of intravenous amodiaquine.  *Br J Clin Pharmacol* 1987; **23**: 127‑135.
13. White NJ, Watt G, Bergqvist Y, Njelesani EK. Parenteral chloroquine for treating falciparum malaria.  *J Infect Dis* 1987; **155**: 192‑201.

**1988**

1. Davis TME, White NJ, Looareesuwan S, Silamut K, Warrell DA. Quinine pharmacokinetics in cerebral malaria: predicted plasma concentrations after rapid intravenous loading using a two‑compartment model.  *Trans R Soc Trop Med Hyg* 1988; **82**: 542‑547.
2. Ho M, Webster HK, Green B, Looareesuwan S, Kongchareon S, White NJ. Defective production of and response to IL‑2 in acute human falciparum malaria.  *J Immunol* 1988; **141**: 2755‑2759.
3. Karbwang J, White NJ. Clinical importance of antimalarial pharmacokinetics.  *Asia Pacific J Pharmacol* 1988; **3**: 181‑189.
4. Pukrittayakamee S, Warrell DA, Desakorn V, McMichael AJ, White NJ, Bunnag D. The hyaluronidase activities of some Southeast Asian snake venoms.  *Toxicon* 1988; **26**: 629‑637.
5. Warrell DA, White NJ, Veall N, Looareesuwan S, Chanthavanich P, Phillips RE, Karbwang J, Pongpaew P, Krishna S. Cerebral anaerobic glycolysis and reduced cerebral oxygen transport in human cerebral malaria.  *Lancet* 1988; **2**: 534‑538.
6. Warrell MJ, Looareesuwan S, Manatsathit S, White NJ, Phuapradit P, Vejjajiva A, Hoke CH, Burke DS, Warrell DA. Rapid diagnosis of rabies and post‑vaccinal encephalitides. *Clin Exp Immunol* 1988; **71**: 229‑234.
7. Watt G, White NJ, Padre L, Ritter W, Fernando MT, Ranoa CP, Laughlin LW. Praziquantel pharmacokinetics and side effects in *Schistosoma japonicum*‑infected patients with liver disease.  *J Infect Dis* 1988; **157**: 530‑535.
8. White NJ. The treatment of falciparum malaria.  *Parasitology Today* 1988; **4**: 10‑15.
9. White NJ, Looareesuwan S, Phillips RE, Chanthavanich P, Warrell DA. Single dose phenobarbitone prevents convulsions in cerebral malaria.  *Lancet* 1988; **2**: 64‑66.
10. White NJ. Drug treatment and prevention of malaria.  *Eur J Clin Pharmacol* 1988; **34**: 1‑14.
11. White NJ, Dance DA. Clinical and laboratory studies of malaria and melioidosis.  *Trans R Soc Trop Med Hyg* 1988; **82**: 15‑20.
12. White NJ, Miller KD, Churchill FC Chloroquine treatment of severe malaria in children. Pharmacokinetics, toxicity, and new dosage recommendations.  *N Engl J Med* 1988; **319**: 1493‑1500.

**1989**

1. Chaowagul W, White NJ, Dance DA, Wattanagoon Y, Naigowit P, Davis TME, Looareesuwan S, Pitakwatchara N. Melioidosis: a major cause of community‑acquired septicemia in northeastern Thailand.  *J Infect Dis* 1989; **159**: 890‑899.
2. Dance DA, Wuthiekanun V, Naigowit P, White NJ. Identification of *Pseudomonas pseudomallei* in clinical practice: use of simple screening tests and API 20NE.  *J Clin Pathol* 1989; **42**: 645‑648.
3. Dance DA, Wuthiekanun V, Chaowagul W, White NJ. The antimicrobial susceptibility of *Pseudomonas pseudomallei*. Emergence of resistance in vitro and during treatment. *J Antimicrob Chemother* 1989; **24**: 295‑309.
4. Dance DA, Wuthiekanun V, Chaowagul W, White NJ. Interactions in vitro between agents used to treat melioidosis.  *J Antimicrob Chemother* 1989; **24**: 311‑316.
5. Dance DAB, Davis TME, Wattanagoon Y, Chaowagul W, Saiphan P, Looareesuwan S, Wuthiekanun V, White NJ. Acute suppurative parotitis caused by *Pseudomonas pseudomallei* in children.  *J Infect Dis* 1989; **159**: 654‑660.
6. Krishna S, White NJ. Management of severe malarial infection.  *Indian J Pediatr* 1989; **56**: 155‑163.
7. Lee SH, Looareesuwan S, Wattanagoon Y, Ho M, Wuthiekanun V, Vilaiwanna N, Weatherall DJ, White NJ. Antibody‑dependent red cell removal during *P. falciparum* malaria: the clearance of red cells sensitized with an IgG anti‑D.  *Br J Haematol* 1989; **73**: 396‑402.
8. Miller KD, White NJ, Lott JA, Roberts JM, Greenwood BM. Biochemical evidence of muscle injury in African children with severe malaria.  *J Infect Dis* 1989; **159**: 139‑142.
9. Prakongpan S, Sirimai S, Edwards G, McGrath CS, White NJ. An improved formulation of chloroquine for intramuscular administration: absorption kinetics in rabbits.  *J Pharm Pharmacol* 1989; **41**: 726‑728.
10. Pugh SE, White NJ, Aronson JK, Grahame-Smith DG, Bloomfield JG. Clinical, haemodynamic, and pharmacological effects of withdrawal and reintroduction of digoxin in patients with heart failure in sinus rhythm after long term treatment.  *Br Heart J* 1989; **61**: 529‑539.
11. Pukrittayakamee S, White NJ, Clemens R, Chittamas S, Karges HE, Desakorn V, Looareesuwan S, Bunnag D. Activation of the coagulation cascade in falciparum malaria.  *Trans R Soc Trop Med Hyg* 1989; **83**: 762‑766.
12. Warrell MJ, White NJ, Looareesuwan S, Phillips RE, Suntharasamai P, Chanthavanich P, Riganti M, Fisher Hoch SP, Nicholson KG, Manatsathit S. Failure of interferon alfa and tribavirin in rabies encephalitis.  *Br Med J* 1989; **299**: 830‑833.
13. White NJ, Krishna S. Treatment of malaria: some considerations and limitations of the current methods of assessment.  *Trans R Soc Trop Med Hyg* 1989; **83**: 767‑777.
14. White NJ, Dance DA, Chaowagul W, Wattanagoon Y, Wuthiekanun V, Pitakwatchara N. Halving of mortality of severe melioidosis by ceftazidime.  *Lancet* 1989; **2**: 697‑701.
15. White NJ. Antiparasitic drugs in children.  *Clin Pharmacokinet* 1989; **17 Suppl 1**: 138‑155.
16. White NJ, Krishna S, Waller D, Craddock C, Kwiatkowski D, Brewster D. Open comparison of intramuscular chloroquine and quinine in children with severe chloroquine‑sensitive falciparum malaria.  *Lancet* 1989; **2**: 1313‑1316.
17. Wickramasinghe SN, Looareesuwan S, Nagachinta B, White NJ. Dyserythropoiesis and ineffective erythropoiesis in *Plasmodium vivax* malaria.  *Br J Haematol* 1989; **72**: 91‑99.

**1990**

1. Brewster DR, Kwiatkowski D, White NJ. Neurological sequelae of cerebral malaria in children.  *Lancet* 1990; **336**: 1039‑1043.
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