

**PRESENT EMPLOYMENT**

**2001 – present:** Research clinician, Shoklo Malaria Research Unit (SMRU), part of Mahidol University-Oxford Tropical Medicine Research Programme (MORU) – Thailand

The focus of my work was first on malaria epidemiology: evaluating the impact of large scale deployment of early diagnosis and treatment with artemisinin-based combination therapy; monitoring the changes in efficacy of 3-day mefloquine-artesunate treatment; measuring the malaria incidence in the pregnant population.

My work later shifted on maternal and child health, in particular the role of maternal infections and nutritional status in relation to birth outcome, child's growth, anaemia and neurocognitive development in the 2 first years of life. I am presently supervising the child growth and neurodevelopment part of 3 on-going studies; I am training, supervising and monitoring the work of 30 local health staff, and supervising the work of students involved in projects related to maternal and child health and nutrition.

**PREVIOUS EMPLOYMENT RECORDS**

2000: Consultant for polio eradication programme, Atlanta Center for Disease Control – Gabon

1997 – 1999: STD and HIV/AIDS programme Manager, Médecins Sans Frontières – Cambodia

1996: Medical Advisor, Médecins Sans Frontières (medical support to provincial hospital doctors) – Cambodia

1995: Independent Medical Doctor (care of patients suffering from AIDS) – Switzerland

1989 – 1994: Residency in Internal Medicine – Switzerland

1988: Internship in Paediatrics – Switzerland

**EDUCATION**

2006: Ph.D. (Tropical Medicine), Mahidol University – Bangkok – Thailand

2000: MSc in Control of Infectious Diseases, London School of Hygiene and Tropical Medicine – London – England

1995: Diploma of Tropical Medicine & Hygiene, Prince Leopold Institute of Tropical Medicine – Antwerpen – Belgium

1995: Internal Medicine specialty diploma, University of Geneva - Switzerland

1991: Medical doctorate, University of Geneva - Switzerland

1988: Medical diploma, University of Geneva - Switzerland

**AFFILIATIONS**

- Member of the Association des Médecins Genevois (AMG)
- Member of the Fédération Suisse des Médecins (FMH)
- Member of the Société Suisse de Médecine Interne Générale (SSMI)
- Member of the European Federation of Internal Medicine (EFIM)
- Alumni of the London School of Hygiene and Tropical Medicine (LSHTM)

**LANGUAGES**

French : mother's tongue

English : fluent (IELTS score 7.5)

German : basic understanding

**SHORT COURSES**

- *"The Interbio-21<sup>st</sup> Study: Neurodevelopmental follow-up"* training conducted by Dr. Michelle C. Fernandes, The Nuffield Department of Obstetrics & Gynaecology, University of Oxford – Oxford – United Kingdom, 20-23/01/2015
- *"Good Clinical Practice for Research Involving Human Subjects"* course conducted by the Clinical Trials Support Group Mahidol-Oxford Tropical Medicine Research Unit – Mae Sot – Thailand, 13/03/2014
- *"The Interbio-21<sup>st</sup> Study: Anthropometry training and standardisation session in Jordan"* conducted by the Study Coordinating Unit in collaboration with UNICEF. The Nuffield Department of Obstetrics & Gynaecology, University of Oxford – Oxford – United Kingdom, 8-10/5/2012
- *"Human Subjects Protection & Introduction to Good Clinical Practice"* course conducted by the Clinical Trials Support Group, Mahidol Oxford Tropical Medicine Research Unit – Mae Sot – Thailand, 6/10/2008
- *"NIH Clinical Research Training Course"* on line course by the NIH (USA) 21/11/2006

- “Good clinical practice” course conducted by Family Health International at the Faculty of Tropical Medicine, Mahidol University – Bangkok – Thailand, 6-7/12/2006
- “Advanced Statistical Analysis in Biomedical Research and use of advanced statistical softwares in epidemiological analysis” course conducted by the Faculty of Tropical Medicine, Mahidol University – Bangkok – Thailand, 2-31/01/2002
- “Applied epidemiology” course conducted by l’Institut pour le Développement de l’Epidémiologie Appliquée (IDEA), with the participation of l’Ecole Nationale de la Santé Publique (ENSP) et le Réseau National de Santé Publique (RNSP), Veyrier-du-Lac France, 07-24/09/1998

## PUBLICATIONS

### 2016

- Stuetz W, Carrara VI, McGready R, Lee SJ, Sriprawat K, Po B, Hanboonkunupakarn B, Grune T, Biesalski HK, Nosten FH. Impact of food rations and supplements on micronutrient status by trimester of pregnancy: cross-sectional studies in the Maela refugee Camp in Thailand. *Nutrients*. **8**(2): E66, 2016.

### 2015

- Parker DM, Carrara VI, Pukrittayakamee S, McGready R, Nosten FH. Malaria ecology along the Thailand-Myanmar border. *Malar J*. **14**:388, 2015.
- Andolina C, Landier J, Carrara V, Chu CS, Franetich JF, Roth A, Rénia L, Roucher C, White NJ, Snounou G, Nosten F. The suitability of laboratory-bred *Anopheles cracens* for the production of *Plasmodium vivax* sporozoites. *Malar J*. **14**:312, 2015.
- Chalmers L, Cross J, Chu CS, Phyo AP, Trip M, Ling C, Carrara V, Watthanaworawit W, Keereecharoen L, Hanboonkunupakarn B, Nosten F, McGready R. The role of point of care tests in antibiotic stewardship for urinary tract infections in a resource limited setting on the Thailand-Myanmar border. *Trop Med Int Health*. May 11. doi: 10.1111/tmi.12541, 2015.
- Worldwide Antimalarial Resistance Network (WWARN) AL Dose Impact Study Group. The effect of dose on the antimalarial efficacy of artemether-lumefantrine: a systematic review and pooled analysis of individual patient data. *Lancet Infect Dis*. **15**(6):692-702, 2015.

### 2013

- Turner P, Turner C, Watthanaworawit W, Carrara V, Cicelia N, Deglise C, Phares C, Ortega L, Nosten F. Respiratory virus surveillance in hospitalized pneumonia patients on the Thailand-Myanmar border. *BMC Infectious Diseases* **13**:434, 2013.
- Turner C, Carrara V, Thein NAM, Win NCMM, Turner P, Bancone G, White NJ, McGready R, Nosten F. Neonatal intensive care in a Karen refugee camp: a 4 year descriptive study. *PLoS One* **8**(8):e72721, 2013.
- Turner C, Carrara V, Thien NAM, Paw NMK, Rijken M, McGready R, Nosten F. Changes in the body weight of term infants, born in the tropics, during the first seven days of life. *BMC Pediatrics* **13**:93, 2013.
- Carrara VI, Lwin KM, Phyo AP, Ashley E, Wiladphaingern J, Sriprawat K, Rijken M, Boel M, McGready R, Proux S, Chu C, Singhasivanon P, White N, Nosten F. Malaria burden and artemisinin resistance in the mobile and migrant population on the Thai-Myanmar border, 1999–2011: an observational study. *PLoS Med* **10**(3): e1001398, 2013.
- Turner C, Turner P, Carrara V, Burgoine K, Tha Ler Htoo S, Watthanaworawit W, Day NP, White NJ, Goldblatt D, Nosten F. High rates of pneumonia in children under two years of age in a South East Asian refugee population. *PLoS ONE* **8**(1):e54026, 2013.

### 2012

- Turner C, Turner P, Carrara V, Eh Lwe N, Watthanaworawit W, Day NP, White NJ, Goldblatt D, Nosten F. A high burden of respiratory syncytial virus associated pneumonia in children less than two years of age in a South East Asian refugee population. *PLoS One* **7**(11):e50100, 2012.
- White AL, Carrara VI, Paw MK, Malika, Dahbu C, Gross MM, Stuetz W, Nosten FH, McGready R. High initiation and long duration of breastfeeding despite absence of early skin-to-skin contact in Karen refugees on the Thai-Myanmar border: a mixed methods study. *Int Breastfeed J* **7**(1):19-31, 2012.
- Chue AL, Carrara VI, Paw MK, Pimanpanarak M, Wiladphaingern J, van Vugt M, LeeSJ, Nosten F, McGready R. Is areca innocent? The effect of areca (betel) nut chewing in a population of pregnant women on the Thai-Myanmar border. *Int Health* **172**(3):204-209, 2012.
- McGready R, Boel M, Rijken MJ, Ashley EA, Cho T, Moo O, Paw MK, Pimanpanarak M, Hkirijareon L, Carrara VI, Lwin KM, Phyo AP, Turner C, Chu CS, van Vugt M, Price RN, Luxemburger C, ter Kuile FO, Tan SO, Proux S, Singhasivanon P, White NJ, Nosten FH. Effect of early detection and treatment on malaria related maternal mortality on the north-western border of Thailand 1986-2010. *PLoS One* **7**(7):e40244, 2012.
- Stuetz W, Carrara VI, McGready R, Lee SJ, Biesalski HK, Nosten FH. Thiamine diphosphate in whole blood, thiamine and thiamine monophosphate in breast-milk in a refugee population. *PLoS One* **7**(6):e36280, 2012.

- Stuetz W, Carrara VI, McGready R, Lee SJ, Erhardt JG, Breuer J, Biesalski HK, Nosten FH. Micronutrient status in lactating mothers before and after introduction of fortified flour: cross-sectional surveys in Maela refugee camp. *Eur J Nutr* **51(4)**:425-34, 2012.

#### 2011

- Carrara VI, Hogan C, De Pree C, Nosten F, McGready R. Improved pregnancy outcome in refugees and migrants despite low literacy on the Thai-Burmese border: results of three cross-sectional surveys. *BMC Pregnancy Childbirth* **11**:45, 2011.

#### 2010

- Boel M, Carrara VI, Rijken M, Proux S, Nacher M, Pimanpanarak M, Paw MK, Moo O, Gay H, Bailey W, Singhasivanon P, White NJ, Nosten F, McGready R. Complex Interactions between soil-transmitted helminths and malaria in pregnant women on the Thai-Burmese border. *PLoS Negl Trop Dis* **4(11)**:e887, 2010.
- Turner P, Turner CL, Watthanaworawit W, Carrara VI, Kapella BK, Painter J, Nosten FH. Influenza in refugees on the Thailand-Myanmar border, May-October 2009. *Emerg Infect Dis* **16(9)**:1366-72, 2010.
- Benner MT, Townsend J, Kaloi W, Htwee K, Naranichakul N, Hunnangkul S, Carrara VI, Sondorp E. Reproductive health and quality of life of young Burmese refugees in Thailand. *Confl Health* **4(1)**: e5, 2010.

#### 2009

- Carrara VI, Zwang J, Ashley EA, Price RN, Stepniewska K, Barends M, Brockman A, Anderson T, McGready R, Phaiphun L, Proux S, van Vugt M, Hutagalung R, Lwin KM, Phyo AP, Preechapornkul P, Imwong M, Pukrittayakamee S, Singhasivanon P, White NJ, Nosten F. Changes in the treatment responses to artesunate-mefloquine on the northwestern border of Thailand during 13 years of continuous deployment. *PLoS ONE* **4(2)**: e4551, 2009.

#### 2008

- Plewes K, Lee T, Kajeewchewa L, Thwin MM, Lee SJ, Carrara VI, Nosten F, McGready R. Low seroprevalence of HIV and syphilis in pregnant women in refugee camps on the Thai-Burma border. *Int J STD AIDS* **19(12)**:833-7, 2008.
- Carrara VI, Phyo AP, Nwee P, Soe, *et al.* Auditory assessment of patients with acute uncomplicated *Plasmodium falciparum* malaria treated with three-day mefloquine-artesunate on the north-western border of Thailand. *Malar J* **7**: 233, 2008.

#### 2007

- Mytton OT, McGready R, Lee SJ, Roberts CH, Ashley EA, Carrara VI, Thwai KL, Jay MP, Wiangambun T, Singhasivanon P, Nosten F. Safety of benzyl benzoate lotion and permethrin in pregnancy: a retrospective matched cohort study. *BJOG* **114(5)**:582-587, 2007.

#### 2006

- Carrara VI, Sirilak S, Thonglairuam J, *et al.* Deployment of early diagnosis and mefloquine-artesunate treatment of falciparum malaria in Thailand : The Tak Malaria Initiative. *PLoS* **3(6)** : e183, 2006.
- Hutagalung R, Htoo H, Nwee P, Arunkamomkiri J, Zwang J, Carrara VI, Ashley E, Singhasivanon P, White NJ, Nosten F. A case-control auditory evaluation of patients treated with artemether-lumefantrine. *Am J Trop Med Hyg.* **74(2)**: 211-4, 2006.

#### 2005

- Carrara VI, Nosten F. Associations médicamenteuses dans le traitement du paludisme – le rôle des dérivés de l'artémisinine. *La lettre de l'infectiologue*, **20(4)**: 4-10, 2005.
- Carrara V, Terris-Prestholt F, Kumaranayake L, Mayaud P. Operational and economic evaluation of an NGO-led sexually transmitted infection intervention in north-western Cambodia. *Bull WHO* **83(6)**: 434-42, 2005.

#### 2004

- Nacher M, Carrara VI, Ashley E, McGready R, Hutagalung R, Nguen JV, Thwai KL, Loareesuwan S, Nosten F. Seasonal variation in hyperparasitaemia and gametocyte carriage in patients with *Plasmodium falciparum* malaria on the Thai-Burmese border. *Trans R Soc Trop Med Hyg* **98(5)**: 322-8, 2004.
- Nacher M, Carrara VI, McGready R, Ashley ., Nguen JV, Thwai KL, Loareesuwan S, Nosten F. Seasonal fluctuations in the carriage of *Plasmodium vivax* gametocytes in Thailand. *Ann Trop Med Parasitol* **98(2)**: 115-20, 2004.

#### 1990-94

- Carrara V, Porchet H, Dayer P. Influence of input rates on (+/-) – isradipine haemodynamics and concentration-effect relationship in healthy volunteers. *Eur J Clin Pharmacol* **46(1)**: 29-33, 1994
- Carrara V, Porchet HC, Dayer P. Influence de la vitesse d'administration sur la réponse hémodynamique de l'isradipine. *Schweizerische Medizinische Wochenschrift* **120**: 1894-96, 1990.