

- **Name: Professor Gil Hardy PhD FRSC FASPEN**

- **Current Position:** Emeritus Professor of Clinical Nutrition. Institute of Food Nutrition & Human Health, Massey University, Auckland, New Zealand

- **Country:** New Zealand

- **Educational Background:** Gil trained as a Biochemist, with degrees from Bristol and Bath Universities and a post doctoral fellowship at Cambridge in UK. He subsequently worked in Belgium and Germany, then began research with Nobel Prize Winner, the late Professor Sir Hans Krebs in the Metabolic Research Laboratory at the University of Oxford.

- **Professional Experiences:** Gil has pioneered work with combinations of amino acids such as glutamine, lipids and micro-nutrients, for improving formulations and methods of administration of Parenteral Nutrition (PN) regimens for patients with intestinal failure (IF). Together with colleagues at St Marks Hospital in London in the 1970's he designed the first disposable 3 litre PN bag.

In 2004 Gil moved to New Zealand and has held joint appointments as Professor of Pharmaceutical Nutrition at the University of Auckland and Professor of Clinical Nutrition in the College of Health at Massey University, where he expanded his national and international collaborations on formulation and metabolic research into nutraceuticals, selenium and other micronutrients, protein synthesis, new lipids and probiotics. He also helped establish a new research focussed Master's degree in Nutrition & Dietetics. Gil has established an international reputation in the field of clinical nutrition with awards, guest lectures and honorary fellowships from Australasia, China, Europe, Latin America and USA, culminating with receipt of the ASPEN Distinguished International Nutrition Support Service Award and election, as a Fellow of ASPEN (FASPEN) in 2015. He was the founder and first Chairman of the International Clinical Nutrition section (ICNS) of ASPEN.

- **Professional Organizations:** Gil is an active member of several international nutrition societies, including ASPEN (USA), ESPEN (Europe), FELANPE (Latin America) and has been a council member of BAPEN (UK), the Nutrition Societies of UK and NZ and was vice-president of the Australasian Society of Parenteral & Enteral Nutrition (AuSPEN). In this latter role he was instrumental in establishing the Australasian HPN patient register and co-authored the Guidelines for adult Home PN management. In 2009, Gil and others formed the HPN/IF support group; *Parenteral Nutrition Down Under* (PNDU) and served as treasurer on the group's management committee since its formation. He is a past chairman of the British Pharmaceutical Nutrition Group and remains Editor of the quarterly newsletter 'Feeding Times'. He was the founding Editor of 'Complete Nutrition Australasia', Associate Editor of 'Current Topics in Nutraceutical Research', Micronutrients Section Editor for 'Current Opinion in Clinical Nutrition and Metabolic Care' and editor of the Nutraceuticals column for "Nutrition". In 2018 he joined the board of Revista Colombiana de Metabolismo y Nutricion Clinica.

- **Main Scientific Publications:** Professor Hardy has published over 250 papers, editorials and columns, textbook chapters and scientific abstracts in a variety of peer reviewed scientific journals that most impact nutrition research and clinical practices. Increasingly his focus is on collating interdisciplinary research experiences into guidelines and advisory reports for professional societies and regulatory agencies.

Key Publications in last 5 years:

Manzanares W, Langlois PL, Hardy G. Selenium pharmaconutrition in sepsis: To give or not to give? Is this still the question? *Nutrition* 2013;29;1429-1430

Hardy G, Hardy I and Austin P. Bolsa Prontas para Uso em Nutricao Parenteral Chapter in Tratado de nutrição e metabolismo em cirurgia (nutrition and metabolism in surgery). Ed. Antonio C.I. Campos. Editora Rubio Ltda. Rio de Janeiro, Brazil 2013. ISBN : 8564956373

Asrani, V, Chang, WK, Dong, Z, Hardy, G, Windsor, JA, Petrov, MS, Glutamine supplementation in acute pancreatitis: a systematic literature review and meta-analysis. *Pancreatology* 2013;13; 468-474

Naidoo N, Vather, R, Kuntworbe, N, Bissett, I and Hardy, G. Development, Validation and Results of Quantitative Stability Testing for Gastrografin®. *Current Pharmaceutical Analysis*. 2014;10. 92-96.

Wong T and Hardy G. Micronutrient requirements in the critically ill child. Chapter in: *Pediatric Crit Care Nutrition*. Eds: Goday P.S and Mehta NM. McGraw Hill. NY USA 2015

Benstoem C, Goetzenich A, Kraemer S, Borosch S, Manzanares W, Hardy G and Stoppe C. Selenium and Its Supplementation in Cardiovascular Disease—What do We Know? *Nutrients* 2015, 7, 3094-3118; doi:10.3390/nu7053094

Manzanares W and Hardy G. Can dietary selenium intake increase the risk of toxicity in healthy children? *Nutrition* 2016;32;149-150

Langlois PL, Hardy G, Manzanares W. Selenium pharmaconutrition in the critically ill: The end of an era? *Nutrition* 2017;45;131-133

Langlois PL, Hardy G, Manzanares W. ω-3 Polyunsaturated Fatty Acids in Cardiac Surgery Patients. *JPEN J Parenter Enteral Nutr.* 2017; 41(2):152-154.

Langlois PL, Hardy G, Manzanares W. Omega-3 polyunsaturated fatty acids in cardiac surgery patients: An updated systematic review and meta-analysis. *Clin Nutr.* 2017; 36(3):737-746.

Hardy G, Langlois PL, Manzanares W. Selenium pharmaconutrition in the critically ill: Back to basics. *Nutrition* 2018;46;142-144

Abbasoglu O, Hardy G, Manzanares W, Pontes-Arruda A. Fish Oil-containing Lipid Emulsions in Adult Parenteral Nutrition: A Review of the Evidence. *JPEN* 2018. DOI:10.1177/0148607117721907

Abbasoglu O, Hardy G, Langlois P, Manzanares W, Morrison M, Pontes-Arruda A. Fish Oil in Neonatal and Pediatric Parenteral Nutrition: A Review of the Evidence. 2018 In press