

Dr. Glenda Courtney-Martin obtained her undergraduate degree in Nutrition from Ryerson University and her Masters and PhD from the University of Toronto. She is a member of the College of Dietitians of Ontario, having completed her Dietetic Internship at St. Michael's Hospital in Toronto. Currently, Dr. Courtney-Martin is a Clinical Dietitian and Health Clinician Scientist at The Hospital for Sick Children in Toronto. She is Associate Scientist in the Research Institute, Program in Physiology and Experimental Medicine and Assistant Professor, Department of Nutritional Sciences & Faculty of Kinesiology & Physical Education, University of Toronto.

Dr. Courtney-Martin's research focus is on protein and amino acid requirement and metabolism through the lifespan and evaluation of dietary protein quality of foods for human nutrition. Her early work focused on the requirement and metabolism of the sulphur amino acids in the total parenteral fed (TPN) post surgical human neonate. She demonstrated that the sulphur amino acid content of current commercial TPN solutions is too high and could be a contributor to TPN related liver disease observed in neonates and young children on long-term TPN. Her current work include the conduction of a number of studies in children and older adults to estimate the requirement of several indispensable amino acids and to validate the higher requirement estimate for protein proposed by her research group. In addition she is actively evaluating the dietary protein quality of cereal grains to meet human nutrition needs.

Dr. Courtney-Martin is the recipient of a CIHR Project Grant for her work titled: Evaluating the dietary protein quality of cereal grains to meet human nutrition needs by measuring the metabolic availability of the most limiting amino acid; lysine. She is also co-applicant on a CIHR Operating Grant for the determination of amino acid requirement throughout the lifespan.