

CURRICULUM VITAE

CONTACT INFO

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Designation: Professor in Human Nutrition

Address: Department of Physiology, Faculty of Medicine, University of Peradeniya, Peradeniya, Sri Lanka

EDUCATION

2011 **Ph.D.**, Nutritional Sciences (major), Exercise Physiology (minor), University of Tennessee, Knoxville, TN, USA
Mentor: Dr. Naima Moustaid-Moussa
Dissertation title: "Genetic and nutritional studies to elucidate the role of adipose tissue in the pathogenesis of metabolic syndrome."

2006 **M.Phil.** (Master of Philosophy), Human Physiology, University of Peradeniya, Sri Lanka

2001 **M.B.B.S.** (Bachelor of Medicine and Surgery), University of Peradeniya, Sri Lanka, Graduated with honors

1980-1993 Primary and Secondary education – Dharmaraja College, Kandy

RESEARCH INTERESTS

Research activities are focused on identifying mechanisms responsible for obesity-associated metabolic derangements with a view of developing preventive and treatment strategies for these disorders including Type-2 diabetes mellitus. Obesity leads to a chronic low-grade inflammation in the adipose tissue, which is in part responsible for the development of whole-body insulin resistance. However, the exact trigger of this inflammatory process is hitherto unknown. The major focus of our research program is

to uncover these mechanisms. We are also interested in identifying the reasons as to why individuals of Asian origin are at a higher risk of developing cardiovascular disease compared to Caucasians at a given body mass index. Research areas include: T lymphocytes and the onset of adipose tissue inflammation and systemic insulin resistance; adipose tissue Renin-Angiotensin System (RAS) in the pathogenesis of insulin resistance; and mechanisms by which fatty acids modulate adipose tissue function. We employ in vivo as well as in vitro systems, with a spectrum of cellular and molecular biology techniques coupled with studies of whole-animal physiology to address important questions in the above areas of research.

PROFESSIONAL EXPERIENCE

2013 to date	Professor in Human Nutrition , Department of Physiology, Faculty of Medicine, University of Peradeniya, Sri Lanka
2015 to date	Adjunct Professor , Nutritional Sciences, Texas Tech University, Lubbock, TX, USA
2012 to date	Consultant Nutritionist , Faculty of Medicine, University of Peradeniya - providing visiting clinical nutrition services to the Teaching Hospitals of Peradeniya and Kandy
2014	Visiting Associate Professor , Department of Nutritional Sciences, Texas Tech University, Lubbock, TX, USA
2008- 2013	Senior Lecturer Department of Physiology, Faculty of Medicine, University of Peradeniya, Peradeniya, Sri Lanka
2011 – 2012	Research Fellow , Department of Immunology, St. Jude Children’s Hospital, Memphis, TN, USA
2003 – 2008	Lecturer , Department of Physiology, Faculty of Medicine, University of Peradeniya, Peradeniya, Sri Lanka
2006 – 2011	Graduate Assistant University of Tennessee, Knoxville, TN, USA
2002 – 2003	Intern Medical Officer , Peradeniya Teaching Hospital, Peradeniya, Sri Lanka

HONORS AND AWARDS

- 2016 Henry Rajaratnam orator (invited), Sri Lanka College of Endocrinologists
- 2015 Bibile Memorial Orator (awarded), Kandy Society of Medicine, Sri Lanka
- 2015 National Research Council Merit Award for Research Publication
- 2014 International Association for the Study of Obesity (IASO), International Journal of Obesity (IJO) New Faculty Award for basic science research
- 2014 IASO Travel Fellowship
- 2014 Presidential Award for Scientific Publication, Sri Lanka
- 2013 K.N. Seneviratne Memorial Research Award, Physiological Society of Sri Lanka
- 2011 American Society for Nutrition (ASN) nutrient-gene interactions research interest section Poster Competition – 1st place
- 2011 ASN energy and macronutrient metabolism research interest section Student and Postdoc Abstract Award
- 2011 University of Tennessee, College of Education, Health and Human Sciences Graduate Student Research Award
- 2010 ASN / Nutritional Sciences Council (NSC) Graduate Student Research Award
- 2010 Invited attendee, Postdoctoral Recruiting at the McGarry Symposium, UT Southwestern Medical Center
- 2010 The University of Tennessee Chancellor's Honors for extraordinary professional promise
- 2010 Gamma Sigma Delta Ph.D. graduate student Award of Merit
- 2010 American Society for Nutrition - nutrient gene interactions research interest section poster competition – Honorable Mention
- 2010 Award for Outstanding Poster Presentation (2nd place) at Boshell Diabetes Day, Auburn University
- 2010 Graduate student award (2nd place) at Comparative & Experimental Medicine and Public Health Research Symposium, University of Tennessee
- 2010 Ruby McKeel Rives Scholarship
- 2009 American Heart Association Pre-doctoral Fellowship
- 2009 University of Tennessee Graduate Student Senate Travel Award
- 2009 National Institutes of Health Travel Award to participate in the NIH / ODS research practicum
- 2008 Catherine Burton Chi Omega Scholarship
- 2005 Kandy Society of Medicine Gold medal for the best research presentation at the annual academic sessions
- 2005 International Federation of Clinical Neurophysiology Travel Fellowship

PROFESSIONAL SOCIETIES

American Society for Nutrition
World Obesity Federation
European Society Clinical Nutrition and Metabolism (ESPEN)
Sri Lanka Medical Association
Sri Lanka College of Endocrinologists
Physiological Society of Sri Lanka
Sri Lanka Medical Nutrition Association – Current vice-president
Nutrition Society of Sri Lanka
Kandy Society of Medicine – Past secretary

PROFESSIONAL SERVICE

BOARD OF STUDIES

2017 to date: Member of Specialty board on Clinical Nutrition, PGIM, University of Colombo

2015 to date: Member of board of study in Basic and Medical Sciences, PGIM, University of Colombo

2015 to date: Member of Speciality board in Physiology, PGIM, University of Colombo

2015 to date: Member of Curriculum development committee for MD clinical nutrition, PGIM, University of Colombo

EXAMINER

MD (surgery) Part I examination – Examiner for Physiology

MD (Clinical Nutrition) Part I examination

GRANT REVIEW COMMITTEES

2015 Reviewer, National Research Council, Sri Lanka

2012 Reviewer, Medical Research Council (MRC) – UK

CONSULTANT

Nutrition consultant, Plan International Country Strategic Plan for Sri Lanka 2017-2022

EDITOR

2015 to 2016: Sri Lanka Journal of Medicine

EDITORIAL BOARD MEMBER

2016 to date: Journal of Nutritional Biochemistry (an Elsevier journal: impact factor: 4.7)

JOURNAL REVIEWER

International Journal of Obesity
American Journal of Physiology: Endocrinology and Metabolism
Molecular and Cellular Endocrinology
Journal of Nutritional Biochemistry
Obesity
Physiological Genomics
Gene
Nutrition and Metabolism
The Journal of Maternal-Fetal & Neonatal Medicine
Journal of the Renin-Angiotensin-Aldosterone System
Diabetes Research and Clinical Practice
Hormone and Metabolic Research
Molecular Nutrition and Food Research

POSTGRADUATE STUDENTS (current)

Kembra Albracht, Texas Tech University, USA – Ph.D.
Sanjeewani Fonseka, University of Peradeniya, Sri Lanka - Ph.D.
Upul Senarath, University of Colombo, Sri Lanka – Ph.D.
Bimba Goonapienuwala, University of Peradeniya, Sri Lanka - MPhil
Isuri Jayawardena – University of Peradeniya, Sri Lanka - MPhil

FUNDING AND GRANTS AWARDED

- 2015 – 2017 Obesity Research Custer, Texas Tech University. “Maternal Supplementation of Omega 3 Fatty Acids Alleviate Obesity-Associated Inflammation & Diabetes in the Offspring.” Total award: \$ 8000. Role: collaborator
- 2014 - 2015 International Research Center, University of Peradeniya. “Identification of mechanisms responsible for insulin resistance in Sri Lankan adults”. Total award: Rs. 500,000. Role: PI
- 2009 - 2011 American Heart Association, Greater Southeast Affiliate, predoctoral fellowship 09PRE2260238 “Metabolic effects of caloric restriction in mice overexpressing angiotensinogen in adipose tissue”. Total award: \$41,000. Role: PI
- 2004 – 2006 Kandy Society of Medicine, Sri Lanka, “Neurophysiological evaluation of cervical spondylotic myelopathy and radiculopathy”. Total award: Rs. 100,000. Role: PI

INVITED PRESENTATIONS (INTERNATIONAL)

1. “Adipose tissue inflammation as a link between obesity and metabolic syndrome”, St. Jude Children’s Research Hospital, Memphis, TN, USA, 2011
2. “Adipose Tissue as an Endocrine Organ”, symposium lecture, 3rd Biennial Conference of South Asian Association of Physiologists, Colombo, Sri Lanka, 2012
3. “At the Cross Roads of Obesity and Immunology”, FASEB Summer Conference on Nutrient Sensing and Metabolic Signaling, Big Sky, MT, USA, 2014
4. “Obesity in Asia”, Texas Tech University Obesity Cluster Seminar, Texas, USA, 2014
5. “Obesity – an emerging problem in South Asia” Keynote speech at the 2nd international conference on science and technology for society organized by Vishwashanthi multipurpose society, India, May 2015
6. “Enteral Nutrition in the Intensive Care Unit” 2nd SAARC Critical Care Congress hosted by Sri Lankan Society of Critical Care and Emergency Medicine, 31st July, 2016

INVITED PRESENTATIONS (LOCAL)

1. "Pathophysiology and Management of Obesity – an update", Kandy Society of Medicine (KSM) continuing medical education (CME) lecture, Teaching Hospital Kandy, 15.08.2012
2. "Managing bibliographies for postgraduate research", workshop for MD Medical Education candidates, postgraduate institute of medicine, 20.08.2012
3. "Obesity and its Management", CME lecture for Medical Doctors, General Hospital, Kurunegala, 06.09.2012
4. "Proper Nutrition for a Healthy Life", CME lecture for Nurses and Non-communicable disease educators, General Hospital, Kurunegala, 06.09.2012
5. "Nutrition in Chronic Hemodialysis", guest lecture, Nephrology and Transplant Unit, Teaching Hospital, Kandy, 24.10.2012
6. Lecture discussion on "Nutrition" for staff members, Sri Lanka Society for Microbiology, Kandy Chapter, 01.11.2012
7. "Effective Use of Resources in Postgraduate Research", workshop for postgraduate research degree candidates, Faculty of Medicine, Peradeniya, 16.11.2012
8. "Nutrition in Cancer Patients", guest lecture, General Hospital, Anuradhapura, 29.11.2012
9. "Nutrition and Weight Management", monthly CME lecture organized by the Government Medical Officers Association, Teaching Hospital, Peradeniya, 03.12.2012
10. "Pathophysiology and Management of Obesity", guest lecture at the monthly meeting of the Endocrine Society of Sri Lanka, 17.12.2012
11. "Obesity and its co-morbid conditions – mechanistic insights", Annual Scientific Sessions of the Nutrition Society of Sri Lanka, 2.03.2013
12. Symposium lecture on "Obesity and Nutrition", Annual Academic Sessions of the Kandy Society of Medicine, 9.02.2013
13. "Nutritional management of obesity", post-congress workshop for nursing officers, Kandy Society of Medicine, 10.02.2013
14. "Issues in Writing-up Research", Staff development programme for teachers in faculties of Health Sciences organized by the Medical Education Unit, Faculty of Medicine, Peradeniya, 18.02.2013
15. "Non-communicable diseases and their prevention", workshop for hospital staff, Teaching Hospital Peradeniya, 27.02.2013
16. "Management of Obesity in the Primary Care Setting", CME lecture organized by the Hill Country Doctors, Kandy, 9.03.2013
17. "Nutrition in Chronic Kidney Disease and Diabetes", CME lecture at General Hospital, Polonnaruwa, 22.03.2013
18. "Critical Care Nutrition", CME workshop at Teaching Hospital, Ragama, May, 2014
19. "Medical Nutrition Therapy for the Management of Non-communicable Diseases", CME lecture at the Postgraduate School of Medical Sciences, University of Peradeniya, May, 2014
20. "Obesity the global epidemic", invited symposium lecture, foundation sessions of the Ceylon College of Physicians, Kandy, July, 2014

21. "Medical Nutrition Therapy for Doctors" CME seminar at District General Hospital, Teldeniya, March, 2015
22. "Management of Obesity" guest lecture, College of Dentistry annual sessions, Colombo, March, 2015
23. "Nutrition in Chronic Kidney Diseases" CME programme for health care staff, District hospital, Girandurukotte, March, 2015
24. "Prevention of non-communicable diseases" CME workshop for doctors, nurses and midwives, Regional Training Centre, Kadugannawa, May, 2015
25. "Understanding obesity – mechanisms and management" CME lecture, Teaching Hospital, Kandy, May, 2015
26. "Lifestyle modification for a healthy life" invited guest lecture, Rotary Club of Kandy, July, 2015
27. "Lifestyle modification" post congress workshop on obesity, Sri Lanka Medical Association, Colombo, July 2015
28. "Healthy Eating for a Healthy Life" invited lecture, Cinnamon Lakeside, Colombo, July 2015
29. "Medical Nutrition Therapy in Cancer", CME workshop at the Oncology Surgery unit, Teaching Hospital, Kurunegala, August, 2015
30. "Critical Care Nutrition", Guest lecture, Annual Scientific Sessions of the Sri Lanka Society for Critical Care and Emergency Medicine, Colombo, October, 2015
31. "Scientific perspective on salt and health", conference on reducing salt in the diet for better health, Nutrition Society of Sri Lanka, 25th April, 2016
32. "Nutrition in Elderly", Symposium lecture, Annual Academic Sessions of the Ceylon College of Physicians (CCP), 24th September, 2016
33. "Nutrition in Hospitalized Patients", plenary lecture, Annual Academic sessions – Kurunegala clinical society, 3rd November, 2016
34. "Medical Nutrition Therapy", plenary lecture, Annual Academic Sessions of Matale Clinical Society, 3rd November, 2016
35. "Nutrition Therapy in patients with refeeding syndrome", symposium lecture, 1st Clinical Nutrition Annual Academic Sessions, Sri Lanka Medical Nutrition Association, 12th November, 2016

PROFESSIONAL WORKSHOPS ATTENDED (INTERNATIONAL)

- 2015 First Master Class on, 'Impact of Nutrition for Rehabilitation of Older Patients', Venice, Italy, December, 2015
- 2015 SCOPE school (conducted by World Obesity Federation), London, June, 2015
- 2013 Nestle Nutrition Institute Clinical Nutrition course, Gurgaon, New Delhi, India, October 13-18, 2013
- 2011 "Introductory Course in Immunology", American Association of Immunologists, Philadelphia, PA, USA July 9-14, 2011
- 2009 "An organ systems approach to metabolic syndrome", Mouse Metabolic Phenotyping Center, Vanderbilt University Medical Center, Nashville, TN, USA July 20-31, 2009
- 2009 "Dietary Supplements Research Practicum", National Institute of Health, Office of Dietary Supplements, Bethesda, MD, USA June 1-5, 2009

PUBLICATIONS

BOOK CHAPTERS:

1. ***Kalupahana NS***, Moustaid-Moussa N, Voy BH, Kim JH, Bassett D, Bray MS, Lightfoot TJ. The Regulation of Physical Activity by Genetic Mechanisms: Is There a Drive to be Active? In: *Genetic and Molecular Aspects of Sports Performance*. Edited by Bouchard C, Hoffman E: Wiley-Blackwell; 2011: 283-293 [\[link\]](#)
2. Bray MS, Fulton JE, ***Kalupahana NS***, Lightfoot TJ. Genetic Epidemiology, Physical Activity and Inactivity. In: *Genetic and Molecular Aspects of Sport Performance*. Edited by Bouchard C, Hoffman E: Wiley-Blackwell; 2011: 81-89 [\[link\]](#)
3. Siriwardhana N, ***Kalupahana NS*** and Moustaid-Moussa N. Health benefits of n-3 polyunsaturated fatty acids: eicosapentaenoic acid (EPA) and docosahexaenoic acid (DHA). In *Handbook of Marine Medicinal Food: Applications and Implications (2nd Ed.)* Edited by Se-Kwon Kim: Elsevier; 2012 [\[Pubmed\]](#)
4. ***Kalupahana NS***, Jayalath T, Wang S and Moustaid-Moussa N. Regulation and metabolic effects of white adipose tissue SCD expression. In: *Stearoyl Coenzyme-A Desaturase Genes in Lipid Metabolism*. Edited by James M. Ntambi: Springer; 2013: 49-60 [\[link\]](#)
5. ***Kalupahana NS***, Wang S, Rahman S and Moustaid-Moussa N. Function and regulation of macrophage SCD in metabolic disorders. In: *Stearoyl Coenzyme-A Desaturase Genes in Lipid Metabolism*. Edited by James M. Ntambi: Springer; 2013:61-71 [\[link\]](#)

PUBLICATIONS IN PEER-REVIEWED JOURNALS:

1. **Kalupahana NS**, Weerasinghe VS, Dangahadeniya U, Senanayake N. Abnormal parameters of magnetically evoked motor evoked potentials in patients with cervical spondylotic myelopathy. *Spine Journal* 2008; 8(4):645-9 [\[PubMed\]](#)
2. Wortman P, Miyazaki Y, **Kalupahana NS**, Kim S, Hansen-Petrik M, Saxton AM, Claycombe KJ, Voy BH, Whelan J and Moustaid-Moussa N. n3 and n6 polyunsaturated fatty acids differentially modulate prostaglandin E secretion but not markers of lipogenesis in adipocytes. *Nutrition & Metabolism* 2009; 6:5 [\[PubMed\]](#)
3. **Kalupahana NS**, Claycombe K, Newman SJ, Stewart T, Siriwardhana N, Matthan N, Lichtenstein A and Moustaid-Moussa N. Eicosapentaenoic acid prevents and reverses insulin resistance in high-fat diet-induced obese mice via modulation of adipose tissue inflammation. *Journal of Nutrition* 2010; 140(11):1915-22 [\[PubMed\]](#)
4. **Kalupahana NS**, Voy BH, Saxton A and Moustaid-Moussa N. Energy-restricted high-fat diets only partially improve markers of systemic and adipose tissue inflammation. *Obesity (Silver Spring)* 2011; 19(2):245-54 [\[PubMed\]](#)
5. **Kalupahana NS**, Claycombe K and Moustaid-Moussa N. Omega-3 fatty acids alleviate adipose tissue inflammation and insulin resistance: mechanistic insights. *Advances in Nutrition* 2011; 2: 304-316 [\[PubMed\]](#)
6. **Kalupahana NS** and Moustaid-Moussa N. Overview to Symposium “Systems Genetics in Nutrition and Obesity Research”. *Journal of Nutrition* 2011; 141(3):512-4 [\[PubMed\]](#)
7. **Kalupahana NS**, Moustaid-Moussa N. Genetics, Physical Activity and Chronic Diseases: an Intricate Relationship. *Sri Lanka Medical Journal*, 2011; 20(1):1-15
8. **Kalupahana NS** and Moustaid-Moussa N. The adipose tissue renin-angiotensin system and metabolic disorders: a review of molecular mechanisms. *Critical Reviews in Biochemistry and Molecular Biology*, 2012;47(4):379-390 [\[PubMed\]](#)
9. **Kalupahana NS**, Massiera F, Quignard-Boulangé A, Ailhaud G, Voy BH, Wasserman DH and Moustaid-Moussa N. Overproduction of angiotensinogen from adipose tissue induces adipose tissue inflammation, glucose intolerance and insulin resistance. *Obesity (Silver Spring)*, 2012 Jan;20(1):48-56. [\[PubMed\]](#)
10. **Kalupahana NS**, Moustaid-Moussa N and Claycombe K. Immunity as a link between obesity and insulin resistance. *Molecular Aspects of Medicine*, 2012 Feb;33(1):26-34. [\[PubMed\]](#)
11. **Kalupahana NS**, Moustaid-Moussa N. The renin-angiotensin system: a link between obesity, inflammation and insulin resistance. *Obesity Reviews*, 2012 Feb;13(2):136-49. [\[PubMed\]](#)
12. Siriwardhana N, **Kalupahana NS**, Fletcher S, Xin W, Claycombe KJ, Quignard-Boulangé A, Zhao L, Saxton AM, Moustaid-Moussa N. n-3 and n-6 polyunsaturated fatty acids differentially regulate adipose angiotensinogen and other inflammatory adipokines in part via NF-κB-dependent mechanisms. *Journal of Nutritional Biochemistry*, 2012; 23(12):1661-7 [\[PubMed\]](#)
13. Moustaid-Moussa N, Costello CA, Greer BP, Fitzhugh EC, Spence ML, Muenchen RA and **Kalupahana NS**. Predictors of body mass index in female parents whose

- children participate in a competitive, creative, problem-solving program. *Journal of Food and Nutrition Research*, 2012; 56 [\[PubMed\]](#)
14. Shi LZ, ***Kalupahana NS***, Turnis ME, Neale G, Hock H, Vignali DA, Chi H. Inhibitory role of the transcription repressor Gfi1 in the generation of thymus-derived regulatory T cells. *Proc Natl Acad Sci USA*. 2013;110(34):E3198-205 [\[PubMed\]](#)
 15. Fletcher SJ, ***Kalupahana NS***, Bejnood M, Kim JH, Saxton AM, Wasserman D, De Taeye B, Voy BH, Quignard-Boulangé A and Moustaid-Moussa N. Transgenic mice overexpressing renin exhibit glucose intolerance and diet-genotype interactions. *Frontiers in Endocrinology*, 2013 Jan 7;3:166 [\[PubMed\]](#)
 16. Siriwardhana N, ***Kalupahana NS***, Cekanova M, Lemieux M, Greer B, Moustaid-Moussa N. Modulation of adipose tissue inflammation by bioactive food compounds. *Journal of Nutritional Biochemistry*, 2013 Apr;24(4):613-23 [\[PubMed\]](#)
 17. Carroll WX, ***Kalupahana NS***, Booker SL, Siriwardhana N, Lemieux M, Saxton AM, Moustaid-Moussa N. Angiotensinogen gene silencing reduces markers of lipid accumulation and inflammation in cultured adipocytes. *Front Endocrinol (Lausanne)*. 2013;4:10. [\[PubMed\]](#)
 18. Somasundaram NP, Wijeyaratne CN, De Silva S, Siribaddana S, Illangasekera U, Rajaratnam H, Katulanda P, Bulugahapitiya U, Siyambalapitiya S, Antonypillai C, Sumanatilleke M, Katulanda G, Jayawardena P, ***Kalupahana NS*** et al. Diabetes Mellitus: Glucose Control. *Sri Lanka Journal of Diabetes Endocrinology and Metabolism* 2013; 3(1): 45-57 [\[link\]](#)
 19. Abdel-Hamid T, Ankel F, Battle-Fisher M, Gibson B, Gonzalez-Parra G, Jalali M, Kaipainen K, ***Kalupahana NS*** et al. Public and health professionals' misconceptions about the dynamics of body weight gain/loss. *System Dynamics Review* 2014; 30(1-2): 58–74 [\[PubMed\]](#)
 20. Somasundaram N, Rajaratnam H, Wijeyarathne C, Katulanda P, De Silva S, Wickramasinghe P, Bulugahapitiya U, Siribaddana S, Siyambalapitiya S, Antonypillai C, Sumanathilake M, Garusinghe C, Muthukuda D, Niranjala MWS, Attapattu N, ***Kalupahana NS*** et al. Clinical guidelines: The Endocrine Society of Sri Lanka: Management of Obesity. *Sri Lanka Journal of Diabetes, Endocrinology and Metabolism* 2014; 1: 55-70
 21. LeMieux MJ, ***Kalupahana NS***, Scoggin S and Moustaid-Moussa N. Eicosapentaenoic acid induces adipocyte hypotrophy and reduces adipocyte inflammation in an adiposity-independent manner. *Journal of Nutrition* 2015;145(3):411-7 [\[PubMed\]](#)
 22. ***Kalupahana NS***, Jayalath T, Ralapanawa U. Prevention of non-communicable diseases- the time to act is now. *Sri Lanka Journal of Medicine* 2015; 24(1):1-2 [\[link\]](#)
 23. LeMieux MJ, Mynatt R, ***Kalupahana NS***, Kim JH, Ramalingam L, and Moustaid-Moussa N. Inactivation of Adipose Angiotensinogen Reduces Adipose Tissue Macrophages and Increases Adipose Cell Metabolic Activity. *Obesity (Silver Spring)* 2016 ;24(2):359-67 [\[PubMed\]](#)
 24. Somasundaram NP, ***Kalupahana NS***. Population-based dietary approaches for the prevention of noncommunicable diseases. *WHO South-East Asia J Public Health* 2016; 5(1): 22–26 [\[PubMed\]](#)
 25. Pahlavani M, Razafimanjato F, Ramalingam L, ***Kalupahana NS***, Moussa H, Scoggin S, Moustaid-Moussa N. Eicosapentaenoic acid regulates brown adipose tissue

- metabolism in high-fat-fed mice and in clonal brown adipocytes. *Journal of Nutritional Biochemistry*. 2016;39:101-109 [\[PubMed\]](#)
26. Ramalingam L, Menikdiwela K, LeMieux M, Dufour JM, Kaur G, ***Kalupahana NS***, Moustaid-Moussa N. The renin angiotensin system, oxidative stress and mitochondrial function in obesity and insulin resistance. *BiochimBiophysActa*. 2016: S0925-4439(16)30187-9 [\[PubMed\]](#)
 27. Shi LZ, Zeng H, ***Kalupahana NS***, Neale G and Chi H. Gfi1-Foxo1 axis controls the fidelity of effector gene expression and developmental maturation of thymocytes. *ProcNatlAcadSci U S A*. 2017 Jan 3;114(1):E67-E74. [\[PubMed\]](#)
 28. Jayawardana NWIA, Jayalath WATA, Madhujith WMT, Ralapanawa U, Jayasekera RS, Alagiyawanna SASB, Bandara AMKR, ***Kalupahana NS***. Aging and obesity are associated with undiagnosed hypertension in a cohort of males in the Central Province of Sri Lanka: a cross-sectional descriptive study. *BMC CardiovascDisord*. 2017 Jun 21;17(1):165. [\[PubMed\]](#)
 29. Goonapienuwala BL, Agampodi SB, ***Kalupahana NS***, Siribaddana S. Body image construct of Sri Lankan adolescents. *Ceylon Med J*. 2017 Mar 31;62(1):40-46. [\[PubMed\]](#)
 30. Jayawardana NW, Jayalath WA, Madhujith WM, Ralapanawa U, Jayasekera RS, Alagiyawanna SA, Bandara AM, ***Kalupahana NS***. Lifestyle factors associated with obesity in a cohort of males in the central province of Sri Lanka: a cross-sectional descriptive study. *BMC Public Health*. 2017 Jan 5;17(1):27. [\[PubMed\]](#)
 31. Dufour J, Ramalingam L, Shen L, Chung E, Allen L, Tomison M, Kaur G, Menikdiwela K, Scoggin S, ***Kalupahana NS***, Moustaid-Moussa N. Effects of Delta-Tocotrienol on Obesity-Related Adipocyte Hypertrophy, Inflammation, and Hepatic Steatosis in High Fat Fed Mice. *The Journal of Nutritional Biochemistry*, in press, 2017

ABSTRACTS

1. ***Kalupahana NS***, Weerasinghe VS, Dangahadeniya U, Senanayake N. Role of magnetic stimulation in the evaluation of cervical radiculopathy. *Proceedings of the annual sessions of the Physiological society of Sri Lanka* 2003: 4 (Oral presentation)
2. ***Kalupahana NS***, Weerasinghe VS, Dangahadeniya U, Senanayake N. Abnormal parameters of motor evoked potentials in cervical myelopathy. *Proceedings of the annual sessions of the Physiological society of Sri Lanka* 2004: 8 (Oral presentation)
3. ***Kalupahana NS***, Dangahadeniya U, Senanayake N. A comparison of neurophysiological investigations in the assessment of cervical radiculopathy. *Proceedings of the 27th annual academic sessions of the Kandy Society of Medicine* 2005; 27: 25 (Oral presentation)
4. ***Kalupahana NS***, Weerasinghe VS, Dangahadeniya U, Senanayake N. Duration of motor evoked potentials by magnetic stimulation in cervical myelopathy. Abstracts of

- the Asian and Oceanian symposium on clinical neurophysiology: *The neurology journal of Thailand*. Jan-June 2005 (Suppl); 5(1): 81 (Oral presentation)
5. Weerasinghe VS, Manuwickrama TD, ***Kalupahana NS***, Wickramasinghe EMN, Abeysekera CK, Senanayake N. Brainstem auditory evoked potentials in high risk infants in Sri Lanka. Abstracts of the Asian and Oceanian symposium on clinical neurophysiology: *The neurology journal of Thailand*. Jan-June 2005 (Suppl); 5(1): 104
 6. Voy B, Nakata C, Malm I, ***Kalupahana NS***, Moustaid-Moussa N, Chesler E, and Webb L. Systems genetics: elucidating networks that underlie heritable variation in adipose function. *FASEB J*. 2007 21:947.413.
 7. ***Kalupahana NS***, Giannone RJ, Fletcher SJ, Kim H, Stewart A, Hall L, Saxton A, Voy BH and Moustaid-Moussa N. Metabolic and genomic changes induced by macronutrient composition vs. caloric restriction *FASEB J*. 2008 22:294.5 (Oral presentation)
 8. Fletcher S, Lee MJ, Heo YR, ***Kalupahana NS***, Hall L, Barros-Mazon S, Glynn NM, Voy BH, Fried SK and Moustaid-Moussa, N. Nutritional and hormonal regulation of angiotensinogen in human adipose tissue. *FASEB J*. 2008 22:294.6
 9. Booker S, Kojima C, ***Kalupahana NS***, Cooper T, Jenkins SJ, Kattesh H, Whitlock B, Moustaid-Moussa N. N-3 polyunsaturated fatty acid supplementation modulates markers of inflammation and lipid metabolism in the minipig model of human obesity. *Obesity* 2009; 17 (Suppl 2) S25111
 10. ***Kalupahana NS***, Voy B, Fletcher S, Stewart T, Kim JH, Quignard-Boulangé A, Wasserman D, Moustaid-Moussa N. Mechanisms linking overproduction of angiotensinogen by adipose tissue to inflammation, glucose intolerance and insulin resistance. *Obesity* 2009; 17 (Suppl 2) S58 (Oral presentation)
 11. ***Kalupahana NS***, Claycombe K, Fletcher S, Wortman P, Moustaid-Moussa N. Mechanisms of eicosapentaenoic acid-mediated improvements in adipose tissue inflammation in diet-induced obese mice. *Obesity* 2010; 18 (Suppl 2) S73 (Poster)
 12. ***Kalupahana NS***, Claycombe K, Stewart T, Hadidsaz R, Booker S, Siriwardhana N and Moustaid-Moussa N. Anti-inflammatory and metabolic mechanisms by which omega-3 fatty acids improve insulin resistance in high fat diet-induced obese mice. *FASEB J*. 2010 24:551.2 (Oral presentation)
 13. ***Kalupahana NS***, Fletcher SJ, Stewart T, Voy BH, Quignard-Boulangé A, Wasserman D, Moustaid-Moussa N. Mechanisms Linking Overproduction of Angiotensinogen by Adipose Tissue to Inflammation, Glucose Intolerance and Insulin Resistance. Boshell Diabetes and Metabolic Diseases Research Program, 2010 (Oral presentation)
 14. Siriwardhana N, Fletcher S, Xin W, ***Kalupahana NS***, Mukherjee A, Smolensky S, Layman R, Wortman P, Zhao L, Saxton A and Moustaid-Moussa N. Eicosapentaenoic acid (EPA) regulates angiotensinogen and other inflammatory adipokines. Annual meeting of The Obesity Society, 2010
 15. Siriwardhana N, Fletcher S, Xin W, Mukherjee A, ***Kalupahana NS***, Booker S, Wortman P, Saxton AM, Moustaid-Moussa N. Eicosapentaenoic acid (EPA) regulates hypertensive inflammatory and adipogenic mediators in mouse and human adipocytes. Boshell Diabetes and Metabolic Diseases Research Program, 2010

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