

POSTERS

POSTER SESSION 1, WEDNESDAY 30 NOVEMBER 2011

Oral Poster Presentations 1450 – 1550

Chairs: A/Prof Russell Keast & Dr Alison Wallace

- P01 Energy utilization and productivity of broiler chickens on diets containing triticale and supplemented with microbial enzymes**
A Widodo, HM O'Neill and PA Iji
- P02 Ileal protein and starch digestibility of sorghum is improved in broilers by exogenous feed enzymes**
A Sultan, X Li, D Zhang, and WL Bryden
- P03 Improving the extraction of the catechins from green tea in teabags using the microwave oven**
QV Vuong, SP Tan, CE Stathopoulos, PD Roach
- P04 Effect of pH on binding activity between oxalate and fibre in raw and cooked rhubarb**
HHV Nguyen, GP Savage
- P05 Green kiwifruit: effects on plasma lipids and APOE interactions**
CS Gammon, R Kruger, AM Minihane, CA Conlon, PR von Hurst, W Stonehouse
- P06 Do we need to correct for endogenous material when determining fibre fermentation in the gastrointestinal tract?**
CA Montoya, SM Rutherford, LN Drummond, PJ Moughan
- P07 Characterisation of kiwifruit (*Actinidia deliciosa* var Hayward) fibre digestion**
SJ Henare, SM Rutherford, J Monro, S Mishra, LN Drummond, MJ Boland & PJ Moughan
- P08 Measurement of exogenous thiamine in cereals**
SP Tan, CN Heenan, CE Stathopoulos, PD Roach
- P09 The effect of caralluma fimbriata extract in combination with lifestyle intervention on the risk factors of metabolic syndrome**
KJ Astell, ML Mathai, AJ McAinch, CG Stathis, XQ Su
- P10 Effects of food structure on nutritionally distinct carbohydrate fractions in cereal**
S Mishra, JA Monro
- P11 The release of peptides by in-vitro digestion of fermented red deer (*Cervus elaphus*) and cow (*Bos primigenius*) milk**
NL Opatha Vithana, SL Mason, AEA Bekhit, JD Morton
- P12 The relationship between physicochemical characteristics of mango and antioxidant activities of mango kernels**
HM Le, SL Mason and R Bickerstaffe
- P13 New Zealand Green-lipped mussels enhance iron absorption in Caco-2 cells and mouse proximal small intestine**
RJ Stewart, J Coad, GW Reynolds, KC Pedley

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- P14** **Effects of wild green oat extract (Neuravena®) on high demand cognitive performance and flow-mediated dilatation in older adults**
RHX Wong, NM Berry, J Bryan, AM Coates, JD Buckley, PRC Howe
- P15** **Probiotics in the Australian marketplace: a review of their efficacy in Irritable Bowel Syndrome**
CK Yao, JR Biesiekierski
- P16** **Updating nutrition compositional data for New Zealand beef and lamb to re-establish a credible scientific resource**
FEC Carruthers, BHP Wilkinson, RW Purchas
- P17** **Inclusion of pork meat in the diets of young women reduces snack food consumption and increases fruit and vegetable intakes**
JO McArthur, NM Gough, P Petocz, S Samman
- P18** **Self-diagnosis of non-coeliac gluten intolerance by Australian adults: failure to exclude coeliac disease or benefit from a gluten-free diet**
JR Biesiekierski, ED Newnham, SJ Shepherd, JG Muir, PR Gibson
- P19** **Test-retest reproducibility of a food frequency questionnaire for New Zealand adults**
CH-Y Sam, SA Skeaff, PML Skidmore
- P20** **Correlates of fruit and vegetable consumption in secondary students in New Zealand**
MA Polak, S Mandic, K Jessop, S Featherston, E Stevens, S Swinbourne, PML Skidmore
- P21** **Scoping the allied health eHealth landscape: a failed systematic review or a casualty of the business-government divide?**
M Voevodin

Posters Display Only Wednesday

- P22** **Taste changes in chronic kidney disease**
RY Haryono, KJ Manley, RSJ Keast
- P23** **The association between perceived sweetness intensity and dietary intake**
S Cicerale, LJ Riddell, RSJ Keast
- P24** **Test-retest reliability of fat taste thresholds**
LP Newman, SJ Torres, RSJ Keast
- P25** **The effect of glycaemic load on satiety in healthy adult males**
S Eady, E Henry, V Halliday, J Willis, A Noble
- P26** **Correlates of dieting or trying to lose weight differ between male and female Otago adolescents**
A Howe, M Polak, K Jessop, E Stevens, S Featherston, S Swinbourn, S Mandic, P Skidmore
- P27** **Effect of calcium supplement and dairy food interventions on body weight: A meta-analysis**
AO Booth, CE Huggins, N Wattanapenpaiboon, CA Nowson

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- P28 The relationship between dietary patterns and nutrition knowledge and taste preferences in adolescents from Otago, New Zealand**
MA Polak, S Mandic, S Featherston, S Swinbourn, K Jessop, PML Skidmore
- P29 The relationship between dietary patterns and meal frequency and sleep in adolescents from Otago, New Zealand**
P Skidmore, M Polak, K Jessop, E Stevens, S Featherston, S Swinbourn, S Mandic
- P30 Consumption of dairy products: most Australians do not meet recommended targets**
JC Doidge, L Segal
- P31 Dairy products, metabolic risk factor development and causal inference in nutrition research: revisiting the CARDIA study**
JC Doidge, A Esterman, L Segal
- P32 Practicalities of menu-based changes to improve dairy calcium intake in ambulatory aged care residents**
S Iuliano, J Woods
- P33 Copper intakes and food sources in northern Tasmanians**
JM Beckett, MJ Ball
- P34 Increased risk of mild zinc deficiency in older male Tasmanians**
JM Beckett, MJ Ball
- P35 Fish oil as adjunct therapy for periodontitis- a review of the evidence**
AM Coates, PM Bartold, T Hughes and PRC Howe
- P36 Effect of Omani coffee on the glycaemic index of commonly consumed snack foods in Oman**
A Ali, M Al-Hakmani, MI Waly, MM Essa
- P37 The effects of dietary weight loss with or without exercise training on liver enzymes in obese metabolic syndrome subjects**
NE Straznicki, EA Lambert, MT Grima, N Eikelis, PJ Nestel, T Dawood, MP Schlaich, K Masuo, R Chopra, CI Sari, JB Dixon, AJ Tilbrook, GW Lambert
- P38 Encouraging increased at-home evening meal preparation: an in-home study**
RM Whiting, SJ Murray
- P39 Spring in2it! – a workplace wellness strategy**
MJ Gibbons, J O'Connor, T Buckingham, A Summerfield, C Morland
- P40 Effects of a high salt meal on post-prandial serum sodium concentration**
KM Dickinson, PM Clifton, JB Keogh
- P41 Fto gene expression under low or high glycemic index (GI) diet in pregnant mice and pups**
T Sideratou, K Bell-Anderson, J Brand-Miller
- P42 Selenium-containing (Seleno) green tea: a possible chemopreventive activity against breast cancer in rats**
AL Molan, W Wei, Z Liu

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- P43 Characterization of manuka honey produced in New Zealand based on pollen analysis, peroxide content and antioxidant activities**
P Boontaganon, GP Savage, SL Mason, L Vanhanen
- P44 Effect of all-vegetable diets on leg abnormalities in broiler chickens**
MA Hossain, AF Islam, PA Iji
- P45 Actinidin-containing kiwifruit extract enhances the stomach protein digestion of some dietary proteins in rats**
CA Montoya, JP Hindmarsh, MJ Boland, LN Drummond, PJ Moughan, SM Rutherford
- P46 Available (ATP) energy contents of two varieties of kiwifruit (*Actinidia deliciosa* var Hayward and *Actinidia chinensis* var Hort16A)**
SJ Henare, SM Rutherford, LN Drummond, MJ Boland, PJ Moughan
- P47 Partial replacement of fish meal with whole hatchery waste meal and their effects on the performance and carcass characteristics of broilers**
NE Radebe, DO Umesiobi, SS Abiola
- P48 Vitamin E supplementation protocols and their effects on reproductive performance of South African mukota boars**
DO Umesiobi
- P49 The effect of falcarinol on platelet aggregation: assay development using carrot cultivars**
TD Herath, D Rosendale, C Sansom, J Eason, J Ansell
- P50 Osteochondritis Dissecans (OCD) in Thoroughbred horses is associated with hypoinsulaemia in early post-natal life**
ST Anderson, TN Dobbs, CE Foote, AJ Cawdell-Smith, WL Bryden

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POSTER SESSION 2, THURSDAY 1 DECEMBER 2011

Oral Poster Presentations 1540 – 1640

Chairs: A/Prof Sally Poppitt & A/Prof Barbara Meyer

- P51 Comparison of carbohydrate composition in sweetpotato- and maize-based infant foods**
FK Amagloh, L Brough, JL Weber, AN Mutukumira, A Hardacre, J Coad
- P52 The feasibility of baby-led weaning: formative research for a randomised controlled trial (BLISS)**
S Cameron, RW Taylor, BJ Taylor, SM Williams, A-LM Heath
- P53 The impact of mandatory fortification of bread with iodised salt in New Zealand school children**
S Skeaff and E Lonsdale-Cooper
- P54 Low serum concentrations of micronutrients are associated with high adiposity in Mexican American children**
IR Gunanti, GC Marks, A Al-Mamun, KZ Long
- P55 Engagement of schools with the Project Energize nutrition and physical activity programme**
A Mrkusic, S McLennan, K Latimer, D Graham, E Rush
- P56 Hydration status 24-hours following dehydrating exercise**
AC Lubransky, NJ Gillespie, KE Black
- P57 Vitamin D supplementation, serum 25-hydroxyvitamin D, body composition and performance in rugby union: a randomised controlled intervention trial**
KA Fairbairn, IJM Ceelen, CM Skeaff, NJ Rehrer, TL Perry
- P58 Do sugary drinks have any role in the development of the metabolic syndrome in New Zealanders?**
PW Crutchley, LA Te Morenga, M Kataoka, JI Mann
- P59 The effect of a micronutrient supplement on telomere length**
C Moores, N O'Callaghan, M Donoghoe, P Forder, B Armstrong, M Fenech
- P60 Zinc deficiency increases genomic instability events in WIL2-NS human lymphoblastoid cell line**
R Sharif, P Thomas, P Zalowski, M Fenech
- P61 Fibre intake is associated with decreased zinc bioavailability in type 2 diabetes mellitus**
A Chu, P Petocz, M Karra, T Picone, M Foster, S Samman
- P62 Measuring nutrition in the residential aged care setting**
L Parkinson, L Galliene, A Moxey, S Capra, L Perry, J Byles
- P63 Nutritional optic neuropathy in Papua New Guinean prisoners**
CA Gould, B Tousignant, G Brian, BJ Venn
- P64 Gender specific effects of long-term dietary EPA and DHA supplementation in platelet aggregation in healthy human subjects**
M Phang, L Lincz, M Garg

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- P65** **The neuroimmunological effects of omega-3 polyunsaturated fatty acids on depression**
HA Eyre, BT Baune
- P66** **Folate nutritional genetics and degenerative disorders in the elderly with special reference to hypertension and depression**
C Naylor, M Lucock, M Veysey, N Naumovski, L Boyd, L Dufficy, B Blades, C Travers, P Lewis, J Sturm, P Roach, Z Yates
- P67** **Dietary folate vitamers as potential risk factors in the aetiology of adenomatous polyps**
JH Choi, Z Yates, L Boyd, M Veysey, M Lucock
- P68** **The influence of brassicas on people with crohn's disease in a New Zealand cohort**
B Campbell, LR Ferguson, CM Triggs, AG Fraser , DY Han, R Hu
- P69** **An evaluation of a healthy eating on a budget programme**
DJ Anderson, K Smallman, K Pickering
- P70** **Launch of the Monash Comprehensive Nutrition Assessment Questionnaire (CNAQ)**
JS Barrett, PR Gibson
- P71** **Breakfast cereal consumption is associated with higher micronutrient and milk intake among Australian children**
F Fayet, L Ridges, N Sritharan, P Petocz
- P72** **Doubly labelled water validation of child versus parent report of total energy intake by food frequency questionnaire**
TL Burrows, CE Collins, H Truby, R Callister, PJ Morgan, PSW Davies
- P73** **Lean mass is positively associated with respiratory function in male asthmatic children**
ME Jensen, PG Gibson, CE Collins, LG Wood

Posters Display Only Thursday

- P74** **Socio-economic position is associated to dietary salt consumption in Australian children**
CA Grimes, KJ Campbell, LJ Riddell, CA Nowson
- P75** **Individual or combination therapy with fish oil and genistein for protection against the adverse effects of methotrexate chemotherapy in bones**
R Raghu Nadhanan, J Skinner, R Chung, PR Howe, CJ Xian
- P76** **Do monounsaturated or polyunsaturated fatty acids from nuts improve lipid profiles and metabolic control: Systematic review and Meta-analysis**
A Joseph, M Forbes, RL Kennedy
- P77** **Dietary supplementation with fish oil, flaxseed oil and canola oil can enhance the growth performance of cultured abalone**
HT Mateos, PA Lewandowski, XQ Su
- P78** **Palm diacylglycerol oil decreases postprandial triglyceride levels versus palm oil: a pilot study**
AM Hill, JA Fleming, PL Bordi, PM Kris-Etherton

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- P79 Performance benefits of carbohydrate ingestion during high intensity exercise are not mimicked by mouth rinsing with a carbohydrate solution**
C Moss, BH Breier, MJY Yoo, A Ali
- P80 Knowledge relating to fish consumption and perceived health outcomes in older Australian adults**
JA Grieger, M Miller, L Cobiac
- P81 Hydration status of male football players during training and competition**
NJ Rehner, A Pickering, IJ Hellemans
- P82 The effect of a high protein, high fibre diet on insulin sensitivity measured using the Dynamic Insulin Sensitivity and Secretion Test (DISST)**
LA Te Morenga, KA McAuley, PD Docherty, SM Williams, J Mann
- P83 Evidence-based practice or practice-based evidence?**
J Crowley, C Wall
- P84 Effect of nutrition on the quality of life of cancer patients in hospice home care**
N Shahmoradj, M Kandiah, L Peng
- P85 Assessing the prevalence of malnutrition in hospitalised children, evaluating the validity of three newly developed screening tools: a cross-sectional study in Iran**
V Moeeni, T Walls, A S Day
- P86 Mitochondrial function is altered in rats fed a high carbohydrate, high fat diet**
MA Alam, L Ward, K Withers, L Brown
- P87 Body composition and bone mass in rats**
LC Ward, H Poudyal, S Panchal, L Brown
- P88 Association between dietary pattern and type 2 diabetes: a systematic literature review and meta-analysis**
A Alhazmi, E Stojanovski, M McEvoy, ML Garg
- P89 Diet / lifestyle factors for reducing colorectal cancer risk**
GH McIntosh
- P90 Serum 25 hydroxyvitamin D in patients treated with glucocorticosteroids: a systematic review with meta analysis**
ZE Davidson, KZ Walker, H Truby
- P91 Asthmatics have an altered eating pattern with increased fat and decreased fibre intake associated with airway inflammation and poorer lung function**
BS Berthon, LK MacDonald-Wicks, PG Gibson, LG Wood
- P92 Plasma leptin levels are elevated in stable asthma**
BS Berthon, LK MacDonald-Wicks, PG Gibson, LG Wood
- P93 Effects of antioxidants on inflammation and apoptosis in rhinovirus-infected airway epithelial cells**
FH Addnan, PAB Wark, LG Wood, ML Garg

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- P94** **Beaton's Probability Approach for estimating prevalence of inadequate iron intakes applied to Australian data**
H Mulrine, D Mackerras
- P95** **The effects of non-anaemic iron deficiency on cognitive functioning: a double-blinded, placebo controlled trial of iron supplementation in women of childbearing age. A pilot study on acceptability and feasibility**
AJ Greig, AJ Patterson, CC Collins, KA Chalmers
- P96** **C776G TCNII genotype influences the relationship between blood vitamin B12 and cellular folate**
Z Yates, J Kho, J Choi, L Boyd, X Ng, V Skinner, R Wai, M Veysey, M Lucock
- P97** **Changes in the sodium content of bread in Australia and New Zealand between 2007 and 2010 - implications for policy**
E Dunford, H Eyles, C Ni Mhurchu, J Webster, B Neal