

Index of Subjects

Numerals followed by the letter A refer to Abstracts of Communications read at Meetings for Original Communications of The Nutrition Society

Acetate metabolism

Effect of carbohydrate source and protein level on selected plasma characteristics and acetate metabolism of ovine perirenal adipose tissue in vitro 50, 77A, 1991

Acute-phase reaction

Modulatory effects of glycine and cysteine on the response of glutathione and acute-phase proteins to tumour necrosis factor α in rats 50, 169A, 1991

The effects of dietary lipids on metabolic responses to tumour necrosis factor 50, 168A, 1991

The influence of total parenteral nutrition on rat liver protein synthesis in an acute-phase reaction induced by interleukin-1 β or turpentine 50, 170A, 1991

Adipose tissue

Regulation of insulin binding to sheep adipocyte membranes 50, 210A, 1991

Adiposity

Distribution of energy intake in relation to calculated basal metabolic rate and adiposity in a national cohort study 50, 16A, 1991

Adolescence

Adolescent attitudes towards body physique 50, 115A, 1991

Comparison of simultaneous measures of energy intake and expenditure in children and adolescents 50, 15A, 1991

Dietary calcium and fibre intakes in adolescents and in the elderly in Dublin 50, 124A, 1991

Snack energy and nutrient intakes of Northern Ireland adolescents 50, 180A, 1991

Total energy expenditure during childhood and adolescence 50, 14A, 1991

Adrenalectomy

The influence of adrenalectomy on the 'anabolic' effect of testosterone implants in rats 50, 85A, 1991

Adrenaline

The effect of a graded infusion of adrenaline on metabolic rate, forearm electro-myographic activity and oxygen consumption 50, 29A, 1991

Adrenergic drugs

Effects of dobutamine on energy expenditure and substrate mobilization 50, 145A, 1991

Advertising

The Media and slimming 50, 479, 1991

Aerobic capacity

Aerobic capacity and post-exercise recovery characteristics of chronically energy-deficient labourers 50, 27A, 1991

Ageing

Effects of ageing on the caecal fermentation response to oat-feeding in rats 50, 74A, 1991

The effect of ageing on glutamine metabolism in skeletal muscle of the rat 50, 40A, 1991

Albumin synthesis

Stable isotope studies of albumin synthesis during normal pregnancy 50, 3A, 1991

Alcohol intake

Diet and alcohol intake: a study amongst male university students 50, 102A, 1991

Does consumption of alcohol with a meal promote fat storage? 50, 38A, 1991

The effects of ethanol and dietary protein level on weight gain, serum insulin and glucose, and pancreas weight in rats 50, 203A, 1991

Allergy

Atopy, allergy and the alimentary canal 50, 299, 1991

Amino acid balance

The effect of dietary amino acid imbalance on respiration in chick liver 50, 42A, 1991

Amino acid supplementation

Glycine and cysteine supplementation influences weight gain and liver glutathione, protein and zinc of rats fed on diets of marginally inadequate protein content 50, 44A, 1991

Modulatory effects of glycine and cysteine on the response of glutathione and acute-phase proteins to tumour necrosis factor α in rats 50, 169A, 1991

The influence of glycine and cysteine supplementation on the metabolic response to *Escherichia coli* endotoxin in rats fed on diets of marginal protein adequacy 50, 43A, 1991

Amino acid transport

Isolation of sinusoidal membrane vesicles from human liver for studies of amino acid transport: a preliminary report 50, 161A, 1991

Amino acids

Effects of orally-administered amino acids on circulating gastric inhibitory polypeptide (GIP) and insulin concentrations in genetically-obese hyperglycaemic (ob/ob) mice 50, 187A, 1991

Serum amino acids during insulin-dependent diabetic and normal pregnancies and their relationship to estimates of fetal weight 50, 199A, 1991

Anaesthesia

Effect of vitamin E deficiency on the response of brain protein synthesis to anaesthesia with volatile anaesthetic agents 50, 144A, 1991

- Protein synthesis rate in human skeletal muscle is unaffected by anaesthesia but decreases after abdominal surgery irrespective of total parenteral nutrition **50, 147A, 1991**
 Time course of the effect of volatile anaesthetic agents on tissue protein synthesis **50, 167A, 1991**
- Anorexia nervosa**
 Zinc nutritive status and immunocompetence in anorexia nervosa **50, 53A, 1991**
- Anthropometric status**
 Family food availability and anthropometric status in Gilan, Iran **50, 20A, 1991**
- Antibody transfer**
 Effect of a milk-free diet on fetal cord blood milk antibody levels: a study of normal and atopic mothers **50, 9A, 1991**
 Serum and cord blood levels of anti-ovalbumin and anti-gliadin IgG in atopic and non-atopic pregnant women **50, 10A, 1991**
- Antioxidant enzymes**
 Iron status, antioxidant enzymes and tumour load in male and female rats treated with 1,2-dimethylhydrazine (DMH) **50, 194A, 1991**
 The effect of iron status on antioxidant enzyme activities in male and female rats **50, 130A, 1991**
- Antioxidant vitamins**
 Effect of antioxidant vitamin supplementation on the peroxyl radical trapping ability of plasma **50, 133A, 1991**
 Effect of high dose antioxidant vitamin supplements on serum markers of oxidant damage **50, 195A, 1991**
- Antioxidants**
 Disturbances of micronutrient and antioxidant status in diabetes **50, 591, 1991**
- Appetite suppression**
 L110140 (Fluoxetine) is an antidepressant and appetite suppressant: does it have thermogenic properties? **50, 181A, 1991**
 The effect of D-fenfluramine on body-weight of lean and obese Aston strain mice **50, 127A, 1991**
- L-Arginine**
 Evidence for the stimulation of human tumour growth by the amino acid L-arginine **50, 139A, 1991**
 L-Arginine stimulates human lymphocyte natural cytotoxicity **50, 172A, 1991**
- Artificial feeds**
 Determinants of energy density with conventional foods and artificial feeds **50, 371, 1991**
- Artificial pancreas**
 Elevation of serum insulin levels by the artificial pancreas and by oral carbohydrate loading stimulates cholesterol synthesis and storage in humans **50, 198A, 1991**
- Atopy**
 Atopy, allergy and the alimentary canal **50, 299, 1991**
- Baked beans**
 Dose-response of baked beans for hypercholesterolaemic pigs fed a Western-type diet **50, 232A, 1991**
 The effect of baked bean consumption on nutrient intake and serum cholesterol levels in human subjects **50, 207A, 1991**
- Basal metabolic rate**
 24 h Energy expenditure and basal metabolic rate in female twins **50, 17A, 1991**
 Distribution of energy intake in relation to calculated basal metabolic rate and adiposity in a national cohort study **50, 16A, 1991**
- Bile acids**
 In vitro binding of bile acids to dietary fibres **50, 206A, 1991**
- Blood biochemistry**
 Dietary behaviours and blood biochemical nutritional indices in Northern Ireland **50, 104A, 1991**
- Blood glucose**
 The effect of guar wheatflakes on postprandial blood glucose, plasma insulin and C-peptide levels in healthy subjects **50, 59A, 1991**
 The effect of low, medium and high molecular weight grades of guar gum on postprandial blood glucose and plasma insulin in non-insulin-dependent diabetics **50, 58A, 1991**
- Blood lipids**
 The effect of garlic on blood lipids and fibrinolytic activity **50, 126A, 1991**
- Body-building**
 Energy intake and expenditure in body builders **50, 238A, 1991**
- Body composition**
 Evaluation of dual photon absorptiometry for the assessment of body composition **50, 31A, 1991**
 In vivo measurement of changes in body composition: validation against 12 d continuous whole-body calorimetry **50, 37A, 1991**
 Resting metabolic rate and body composition of normal and athletic adults **50, 239A, 1991**
 Six month responses to growth hormone therapy for growth disorders are predicted by early changes in body composition and energy expenditure **50, 152A, 1991**
- Body fat**
 Indices of body-fat distribution in angiographically-defined coronary artery disease in man **50, 209A, 1991**
 Inter-observer variability in the measurement of body fat **50, 160A, 1991**
 The effect of adding water to the diet on body fatness and food intake in broiler chickens **50, 100A, 1991**
 The effect of force-feeding on the relationship between body fat and food intake in broilers **50, 99A, 1991**
- Body physique**
 Adolescent attitudes towards body physique **50, 115A, 1991**

Body water

- Assessment of changes in total body water in patients undergoing renal dialysis using bioelectrical impedance analysis
50, 153A, 1991

Broiler production

- The effects of increased vitamin E supplementation on profitable commercial broiler production
50, 197A, 1991

Brown adipose tissue

- Failure to demonstrate brown adipose tissue thermogenesis in adult man using infra-red thermography during both cold- and glucose-induced thermogenesis
50, 119A, 1991
- Fatty acid-binding protein in brown adipose tissue of the newborn lamb
50, 211A, 1991

¹³C labelling

- Bicarbonate recovery: feeding v. time
50, 47A, 1991

- Metabolism in vivo of essential fatty acids in man using linoleic acid labelled with carbon-13 stable isotope
50, 86A, 1991

¹³C nuclear magnetic resonance

- Quantitative ¹³C nuclear magnetic resonance spectroscopy: validation and application to studies of lipid metabolism
50, 230A, 1991

Caecum

- Continuous in vitro incubation as a model to study microbial metabolism in the hind-gut of pigs
50, 76A, 1991
- Effects of dietary fibre (grass) level and time of day on caecal concentrations of volatile fatty acids and uric acid in the fowl
50, 75A, 1991

Calcium

- Dietary calcium and fibre intakes in adolescents and in the elderly in Dublin
50, 124A, 1991

Calcium retention

- Effect of vitamin E and related compounds on mitochondrial Ca²⁺-retention capacity
50, 228A, 1991

cAMP

- Asymmetric enhancement of cAMP in human placental tissues after treatment with bPTH(1-34)
50, 4A, 1991

Cancer cachexia

- Increased metabolic rate associated with cancer cachexia in mice bearing an adenocarcinoma (MAC 16)
50, 138A, 1991
- Increased whole body and skeletal muscle protein synthesis in weight-losing cancer patients
50, 142A, 1991
- Rates of synthesis of glycogen and lipid following a meal in cachectic tumour-bearing rats
50, 141A, 1991
- The effect of inhibiting gluconeogenesis on the synthesis of glycogen and lipid in cachectic tumour-bearing rats
50, 140A, 1991

Carbohydrate intake

- Effect of carbohydrate source and protein level on selected plasma characteristics and acetate metabolism of ovine perirenal adipose tissue in vitro
50, 77A, 1991

Carbohydrate metabolism

- Regulation of hepatic phosphofructokinase-1 activity in septic surgical patients
50, 164A, 1991

Carcass composition

- Sire effects on growth and carcass characteristics of Friesian steers during the finishing period
50, 84A, 1991

Cardiovascular effects

- Characterization of the haemodynamic responses to the ingestion of a high-fat and a high-carbohydrate meal in young subjects
50, 88A, 1991

β-Carotene

- β-Carotene and the immune response
50, 263, 1991

Cataractogenesis

- Effects of vitamin C on sorbitol in eye lens of guinea-pigs made diabetic with streptozotocin
50, 64A, 1991

Catecholamines

- Changes in plasma catecholamines following surgery: the effect of body heat conservation or epidural anaesthesia
50, 146A, 1991

Cell viability

- Homocysteine toxicity towards human cell lines
50, 134A, 1991

Cereal intake

- The effect of cereal source and processing on post-prandial glucose, insulin and GIP responses to starch in man
50, 186A, 1991

Childhood

- Anthropometric indices and risk of mortality allowing for socio-economic differences among Ugandan children
50, 81A, 1991
- Comparison of simultaneous measures of energy intake and expenditure in children and adolescents
50, 15A, 1991
- Development of food choice during infancy
50, 107, 1991
- Dietary control in the first year of life and its associated problems in children with phenylketonuria
50, 178A, 1991
- Does a low-fat diet impair growth in pre-school children?
50, 233A, 1991
- Estimation of energy expenditure by heart-rate monitoring in healthy children and adolescents: a validation study
50, 131A, 1991
- Food choices and preferences of schoolchildren
50, 49, 1991
- Food, vitamins and IQ
50, 29, 1991
- Growth of stunted children given nutritional supplementation and psychosocial stimulation
50, 12A, 1991
- Impact of *Ascaris lumbricoides* and other intestinal helminths on intestinal permeability and growth in Bangladeshi children
50, 83A, 1991
- Iron intake during weaning and the protein-energy nutritional and iron status of Asian toddlers in Sheffield
50, 235A, 1991

- Is milk a suitable supplementary food for the nutritional support of West African children? 50, 234A, 1991
- Malnutrition as a risk factor for mortality from infectious diseases among Ugandan children 50, 82A, 1991
- Nutrient intake in schoolchildren: some practical considerations 50, 37, 1991
- Nutrition education in Scottish schools 50, 45, 1991
- Patterns of children's malnutrition in an area of Southern Somalia with multiethnic composition 50, 80A, 1991
- Resting energy expenditure in children with liver disease 50, 157A, 1991
- Seasonality in children's growth rates in Southern Ethiopia 50, 11A, 1991
- The effects of nutritional supplementation on the development of stunted children 50, 13A, 1991
- Total energy expenditure during childhood and adolescence 50, 14A, 1991
- Cholesterol**
- Cholesterol in the British household diet 50, 231A, 1991
- Cholesterol metabolism**
- Abnormalities of cholesterol metabolism in diabetes 50, 583, 1991
- Elevation of serum insulin levels by the artificial pancreas and by oral carbohydrate loading stimulates cholesterol synthesis and storage in humans 50, 198A, 1991
- The effect of baked bean consumption on nutrient intake and serum cholesterol levels in human subjects 50, 207A, 1991
- Chronic inflammatory bowel disease**
- Malnutrition is an infrequent feature of inflammatory bowel disease in remission 50, 128A, 1991
- Cobalt**
- The effects of cobalt-vitamin B₁₂ deficiency on methionine synthase activity and phospholipid methylation in the sheep 50, 213A, 1991
- The role of succinate in ovine cobalt-vitamin B₁₂ deficiency 50, 212A, 1991
- Colon cancer**
- Whole body protein turnover and the acute phase response in relation to the survival of colon cancer patients 50, 143A, 1991
- Colon tumour**
- Iron status, antioxidant enzymes and tumour load in male and female rats treated with 1,2-dimethylhydrazine (DMH) 50, 194A, 1991
- Copper**
- Effects of copper deficiency and induction of streptozotocin (STZ)-diabetes on trace element mineral status in the rat 50, 182A, 1991
- Homocysteine toxicity towards human cell lines 50, 134A, 1991
- Influence of tea on the availability of copper 50, 54A, 1991
- The effect of propargylglycine feeding on copper status in the rat 50, 122A, 1991
- Crohn's disease**
- Practical and nutritional aspects of an elemental diet in the management of Crohn's disease 50, 158A, 1991
- Cystic fibrosis**
- Dietary intakes and essential fatty acid levels in patients with cystic fibrosis 50, 123A, 1991
- Does genetic variation influence energy expenditure in cystic fibrosis? 50, 18A, 1991
- Energy expenditure by minute-by-minute heart-rate in cystic fibrosis patients 50, 132A, 1991
- The influence of metabolic events on the regulation of energy balance in cystic fibrosis 50, 218A, 1991
- Diabetes**
- Abnormalities of cholesterol metabolism in diabetes 50, 583, 1991
- Diet components in the management of diabetes 50, 631, 1991
- Disturbances of glucose homeostasis in diabetes 50, 577, 1991
- Disturbances of micronutrient and antioxidant status in diabetes 50, 591, 1991
- Effects of copper deficiency and induction of streptozotocin (STZ)-diabetes on trace element mineral status in the rat 50, 182A, 1991
- Fasting and postprandial hormone and metabolite concentrations in normal and diabetic subjects taking dietary fish-oil supplements 50, 90A, 1991
- Glycine and urea metabolism during normal and diabetic pregnancies 50, 200A, 1991
- Gut hormones in glucose homeostasis 50, 545, 1991
- Hepatic drug metabolism in chronically-diabetic streptozotocin-treated rats 50, 217A, 1991
- Hypoglycaemic and anti-hyperglycaemic drugs for the control of diabetes 50, 619, 1991
- Hypothalamic regulatory peptides and the regulation of food intake and energy balance: signals or noise? 50, 527, 1991
- Interrrelationships between obesity and diabetes 50, 605, 1991
- Possible dietary factors in the induction of diabetes and its inheritance in man, with studies in mice 50, 287, 1991
- Serum amino acids during insulin-dependent diabetic and normal pregnancies and their relationship to estimates of fetal weight 50, 199A, 1991
- Traditional dietary adjuncts for the treatment of diabetes mellitus 50, 641, 1991
- Diarrhoea**
- Effect of zinc supplementation on intestinal permeability and morbidity among Bangladeshi children with persistent diarrhoea syndrome 50, 60A, 1991

Diet quality

Diet quality, environment and nutritional status
in Gilan, Iran 50, 21A, 1991

Diet selection

Development of food choice during infancy 50,
107, 1991

Diet selection – an ecological perspective
50, 71, 1991

Diet selection by animals: theory and exper-
imental design 50, 59, 1991

Diet selection by grazing animals 50, 77, 1991

Diet selection of pigs and poultry 50, 87, 1991

Food choices and preferences of schoolchildren
50, 49, 1991

Mechanisms of diet selection: the translation of
needs into behaviour 50, 65, 1991

Sensory and experiential factors in the design of
foods for domestic dogs and cats 50, 99, 1991

Dietary assessment

The use of 24 h urine nitrogen to detect bias in the
reported habitual food intake of individuals
assessed from weighed dietary records
50, 32A, 1991

Dietary fibre

In vitro binding of bile acids to dietary fibres
50, 206A, 1991

Dietary knowledge

General practitioners' knowledge, attitudes and
practice regarding overweight and obesity
50, 25A, 1991

How much does the public know about fat intake
and heart disease? 50, 24A, 1991

Knowledge, diet, and stock decisions of small
independent retailers with regard to 'healthy'
foods 50, 22A, 1991

Nutrition education in Scottish schools
50, 45, 1991

Digestibility

Digestibility of wheat middings by the weaned
pig: comparison of balance and indicator
methods 50, 79A, 1991

Digestion inhibitors

Modification of energy density with inhibitors of
carbohydrate and fat digestion 50, 399, 1991

Domesticated animals

Diet selection of pigs and poultry 50, 87, 1991

Sensory and experiential factors in the design of
foods for domestic dogs and cats 50, 99, 1991

Dual photon absorptiometry

Evaluation of dual photon absorptiometry for the
assessment of body composition
50, 31A, 1991

Eating disorders

The association of slimming with eating disorders
50, 473, 1991

Ecology

Diet selection – an ecological perspective
50, 71, 1991

Elderly

Dietary calcium and fibre intakes in adolescents
and in the elderly in Dublin 50, 124A, 1991

Dietary inadequacies in a free-living aged group
in Dublin 50, 222A, 1991

Electrolyte balance

Effects of food restriction on sodium and potas-
sium balances in pregnant rats 50, 49A, 1991

Elemental diet

Practical and nutritional aspects of an elemental
diet in the management of Crohn's disease
50, 158A, 1991

Energy balance

Comparison of simultaneous measures of energy
intake and expenditure in children and ado-
lescents 50, 15A, 1991

How is the energy budget balanced in well-
nourished lactating women? 50, 8A, 1991

Hypothalamic regulatory peptides and the regu-
lation of food intake and energy balance:
signals or noise? 50, 527, 1991

The influence of metabolic events on the regu-
lation of energy balance in cystic fibrosis
50, 218A, 1991

Twenty-four h energy and substrate balance in
patients receiving total parenteral nutrition
50, 165A, 1991

Energy deficiency

Aerobic capacity and post-exercise recovery
characteristics of chronically energy-deficient
labourers 50, 27A, 1991

Increased thermic effect of a standard meal in
chronically energy-deficient human subjects
50, 19A, 1991

Potentiation as a possible mechanism to explain
differences in dose response v. single dose
infusion of noradrenaline while estimating
thermogenic responses in human subjects
50, 28A, 1991

The effect of energy supplementation on nor-
adrenaline-induced thermogenesis, thermic
effect of a meal and basal metabolic rate in
chronically energy-deficient human subjects
50, 26A, 1991

Energy density

Changes in dietary energy with novel proteins
and fats 50, 391, 1991

Determinants of energy density with con-
ventional foods and artificial feeds 50, 371, 1991

Dietary energy density on using sugar alcohols as
replacements for sugar 50, 383, 1991

Modification of energy density with inhibitors of
carbohydrate and fat digestion 50, 399, 1991

Energy expenditure

24 h Energy expenditure and basal metabolic rate
in female twins 50, 17A, 1991

Assessment of energy expenditure and patterns
of physical activity in healthy children, aged
7–15 years 50, 224A, 1991

Does genetic variation influence energy expen-
diture in cystic fibrosis? 50, 18A, 1991

Effects of dobutamine on energy expenditure and
substrate mobilization 50, 145A, 1991

Energy expenditure by minute-by-minute heart-
rate in cystic fibrosis patients 50, 132A, 1991

- Energy intake and expenditure in body builders
50, 238A, 1991
- Estimation of energy expenditure by heart-rate monitoring in healthy children and adolescents: a validation study 50, 131A, 1991
- Indirect calorimetry in critical care 50, 239, 1991
- Measurement of energy expenditure: the doubly-labelled-water method in clinical practice
50, 227, 1991
- No evidence of lower energy expenditure in post-obese women 50, 109A, 1991
- Resting energy expenditure in children with liver disease 50, 157A, 1991
- Six month responses to growth hormone therapy for growth disorders are predicted by early changes in body composition and energy expenditure 50, 152A, 1991
- Total energy expenditure during childhood and adolescence 50, 14A, 1991
- Energy intake**
- Characterization of the haemodynamic responses to the ingestion of a high-fat and a high-carbohydrate meal in young subjects
50, 88A, 1991
- Distribution of energy intake in relation to calculated basal metabolic rate and adiposity in a national cohort study 50, 16A, 1991
- Effects of feeding level and sex on nitrogen retention and serum insulin-like growth factor-1 in growing pigs 50, 62A, 1991
- Effects of variety and harvesting method on the energy value of mature peas 50, 215A, 1991
- Energy intake and expenditure in body builders
50, 238A, 1991
- Energy metabolism of pigs of high genetic potential: effects of protein and energy intake
50, 61A, 1991
- Metabolic and behavioural responses to altered energy intake in man. 1. Experimental over-feeding 50, 110A, 1991
- Metabolic and behavioural responses to altered energy intake in man. 2. Experimental under-feeding 50, 111A, 1991
- Validation of energy and protein intakes assessed by diet history and weighed records against energy expenditure and 24 h urinary nitrogen excretion 50, 108A, 1991
- Energy metabolism**
- Energy metabolism of pigs of high genetic potential: effects of protein and energy intake
50, 61A, 1991
- Genetics of obesity and human energy metabolism 50, 139, 1991
- Energy source**
- The effects of dietary energy source and tryptophan on hormones of the entero-insular axis and glucose in the early weaned pig after an intragastric infusion of glucose
50, 227A, 1991
- Energy sparing**
- Physiological responses to slimming
50, 441, 1991
- Energy supplementation**
- The effect of energy supplementation on nor-adrenaline-induced thermogenesis, thermic effect of a meal and basal metabolic rate in chronically energy-deficient human subjects
50, 26A, 1991
- Energy utilization**
- Digestibility of wheat middings by the weaned pig: comparison of balance and indicator methods 50, 79A, 1991
- Enteral feeding**
- A randomized study of starter enteral feeding regimens in a mixed intensive care unit
50, 219A, 1991
- Effects of intraduodenal administration of fat or glucose on gastric inhibitory polypeptide concentration in portal blood of goat kids
50, 189A, 1991
- Modification of lipoprotein lipase activity in response to gastric inhibitory polypeptide (GIP) in rats intubated with triolein
50, 190A, 1991
- Entero-insular axis**
- The effects of dietary energy source and tryptophan on hormones of the entero-insular axis and glucose in the early weaned pig after an intragastric infusion of glucose
50, 227A, 1991
- Essential fatty acids**
- Dietary intakes and essential fatty acid levels in patients with cystic fibrosis 50, 123A, 1991
- Inhibitory effect of isomeric *cis* and *trans* C-18 monoenoic fatty acids on Δ 6-desaturase activity in human vascular endothelial cells
50, 69A, 1991
- Metabolism in vivo of essential fatty acids in man using linoleic acid labelled with carbon-13 stable isotope 50, 86A, 1991
- Ethnic foods**
- Ethnic food preferences 50, 175A, 1991
- Europe**
- A case study: Bulgaria 50, 695, 1991
- Diet and disease in East and West Germany
50, 719, 1991
- Nutritional implications of political and economic changes in Eastern Europe 50, 687, 1991
- Nutritional surveillance: experiences from developing countries 50, 673, 1991
- Nutritional surveys: ongoing activities in Europe
50, 681, 1991
- The decision-making process in nutritional surveillance in Europe 50, 661, 1991
- The nutritional implications of changing food systems in Eastern Europe 50, 703, 1991
- What is nutritional surveillance? 50, 653, 1991
- Exercise**
- Exercise for slimming 50, 459, 1991
- Faecal energy**
- The effect of non-starch polysaccharides on the magnitude and composition of faecal energy in normal healthy adults 50, 56A, 1991

Fat intake

- Does a low-fat diet impair growth in pre-school children? **50**, 233A, 1991
- Effect of different dietary fats on mammary tumour incidence and on the fatty acid composition of membrane phospholipids **50**, 229A, 1991
- Influence of vegetable oils and α -tocopherol supplementation on tocopherol concentrations in chick tissues **50**, 192A, 1991
- The effect of a low-fat diet on hormone and metabolite concentrations following a mixed meal in healthy subjects **50**, 89A, 1991
- The effects of dietary lipids on metabolic responses to tumour necrosis factor **50**, 168A, 1991
- Unsaturated fatty acids inhibit interleukin-2 production by concanavalin A-stimulated lymphocytes **50**, 171A, 1991

Fat metabolism

- Effects of long-term feeding of high-fat diets containing triolein or medium-chain triacylglycerols to lactating rats on the disposal of a meal containing the ^{14}C -labelled lipid **50**, 7A, 1991
- Modification of lipoprotein lipase activity in response to gastric inhibitory polypeptide (GIP) in rats intubated with triolein **50**, 190A, 1991
- Quantitative ^{13}C nuclear magnetic resonance spectroscopy: validation and application to studies of lipid metabolism **50**, 230A, 1991
- The effect of a non-absorbable lipid, lactitol polyester on fat-soluble vitamin and cholesterol levels in the rat **50**, 121A, 1991
- The effect of previous feeding patterns on the oxidation and tissue [^{14}C]lipid accumulation after a meal containing [$1\text{-}^{14}\text{C}$]triolein in the rat **50**, 39A, 1991
- The role of insulin and GIP in lipid metabolism in obese (ob/ob) mice **50**, 188A, 1991

Fat spreads

- Individuality of portion weights of fat spreads **50**, 23A, 1991

Fat synthesis

- Nutritional and hormonal regulation of genes for lipogenic enzymes **50**, 115, 1991
- The effect on the doubly- and triply-labelled water methods of water hydrogen incorporation into body fat in growing pigs **50**, 30A, 1991

Fat utilization

- Does consumption of alcohol with a meal promote fat storage? **50**, 38A, 1991

Fatty acid-binding protein

- Fatty acid-binding protein in brown adipose tissue of the newborn lamb **50**, 211A, 1991

Feed balance

- Critical nutrient proportions for lactational success in rats **50**, 6A, 1991
- Interactions between feed protein, carbohydrate and fat on the lactational performance of rats **50**, 5A, 1991

Feed conversion efficiency

- Sire effects on growth and carcass characteristics of Friesian steers during the finishing period **50**, 84A, 1991

Feed intake

- Effects of neonatal under- and overnutrition on the function of the entero-insular axis in rats **50**, 191A, 1991
- The effect of adding water to the diet on body fatness and food intake in broiler chickens **50**, 100A, 1991
- The effect of D-fenfluramine on body-weight of lean and obese Aston strain mice **50**, 127A, 1991
- The effect of drinking water on food-intake responses to manipulations of rumen osmolality in sheep **50**, 98A, 1991
- The effect of force-feeding on the relationship between body fat and food intake in broilers **50**, 99A, 1991
- The effects of ethanol and dietary protein level on weight gain, serum insulin and glucose, and pancreas weight in rats **50**, 203A, 1991

Feed restriction

- Effects of food restriction on sodium and potassium balances in pregnant rats **50**, 49A, 1991

Feed selection

- A comparison of a split diet system and choice feeding on food intake and growth of broilers **50**, 96A, 1991
- Diet selection by animals: theory and experimental design **50**, 59, 1991
- Operant studies on feed selection in sheep **50**, 95A, 1991
- The effect of different pairs of feeds offered as a choice on food selection by sheep **50**, 94A, 1991
- The effect of the oestrous cycle in rats on fat and protein selection **50**, 2A, 1991

Feeding pattern

- The effect of previous feeding patterns on the oxidation and tissue [^{14}C]lipid accumulation after a meal containing [$1\text{-}^{14}\text{C}$]triolein in the rat **50**, 39A, 1991

Fetal growth

- Current perspectives on placental development and its integration with fetal growth **50**, 311, 1991
- Energy and substrate requirements of the placenta and fetus **50**, 321, 1991

Fever

- Mechanisms involved in the fever and hypermetabolism induced by turpentine injection in the rat **50**, 149A, 1991

Fibre digestion

- Digestion of non-starch polysaccharides by non-ruminant omnivores **50**, 161, 1991
- Effects of microbial synergism on fibre digestion in the rumen **50**, 149, 1991
- Genetic modification of fibre digestion **50**, 173, 1991
- Manipulation of fibre digestion in the rumen **50**, 187, 1991

Fibre intake

- Dietary calcium and fibre intakes in adolescents and in the elderly in Dublin 50, 124A, 1991
- Effects of dietary fibre (grass) level and time of day on caecal concentrations of volatile fatty acids and uric acid in the fowl 50, 75A, 1991
- The effect of rice and wheat bran supplements on plasma lipids in healthy adult male volunteers 50, 208A, 1991

Fish oil

- Fasting and postprandial hormone and metabolite concentrations in normal and diabetic subjects taking dietary fish-oil supplements 50, 90A, 1991
- The Mediterranean diet: fish and olives, oil on troubled waters 50, 513, 1991

Food allergy

- Attitudes to food allergy: a survey of general practitioners in Dublin 50, 177A, 1991

Food availability

- Family food availability and anthropometric status in Gilan, Iran 50, 20A, 1991

Food cravings

- Hunger and food cravings in successful weight losers 50, 118A, 1991

Food frequency questionnaire

- Application of a newly developed diet questionnaire for use in health education 50, 220A, 1991
- Food frequency v. weighed intake data in Scottish men 50, 35A, 1991

Food intake

- Diet and alcohol intake: a study amongst male university students 50, 102A, 1991
- Dietary behaviours and blood biochemical nutritional indices in Northern Ireland 50, 104A, 1991
- Dietary inadequacies in a free-living aged group in Dublin 50, 222A, 1991
- Dietary intakes of smokers and non-smokers in the Northern Ireland population 50, 101A, 1991
- Food frequency v. weighed intake data in Scottish men 50, 35A, 1991
- Health attitudes and dietary behaviour in Northern Ireland 50, 221A, 1991
- Malnutrition is an infrequent feature of inflammatory bowel disease in remission 50, 128A, 1991
- Smoking and diet: a study amongst male university students 50, 103A, 1991
- Snack energy and nutrient intakes of Northern Ireland adolescents 50, 180A, 1991
- The Mediterranean Italian diet: keys to contemporary thinking 50, 519, 1991
- The use of 24 h urine nitrogen to detect bias in the reported habitual food intake of individuals assessed from weighed dietary records 50, 32A, 1991

Food preferences

- Development of food choice during infancy 50, 107, 1991

- Food choices and preferences of schoolchildren 50, 49, 1991

- Mechanisms of diet selection: the translation of needs into behaviour 50, 65, 1991

Food seasonality

- Seasonality in children's growth rates in Southern Ethiopia 50, 11A, 1991

Formaldehyde treatment

- The effect of formaldehyde treatment of barley on starch digestion in sheep 50, 93A, 1991

Free radicals

- Effect of high dose antioxidant vitamin supplements on serum markers of oxidant damage 50, 195A, 1991

Fructose intolerance

- Fructose intolerance: diet and inheritance 50, 305, 1991

Fruit consumption

- Fruit consumption and lung function 50, 34A, 1991

Garlic

- The effect of garlic on blood lipids and fibrinolytic activity 50, 126A, 1991

Gastric inhibitory polypeptide

- Effects of intraduodenal administration of fat or glucose on gastric inhibitory polypeptide concentration in portal blood of goat kids 50, 189A, 1991

- Effects of orally-administered amino acids on circulating gastric inhibitory polypeptide (GIP) and insulin concentrations in genetically-obese hyperglycaemic (ob/ob) mice 50, 187A, 1991

- Gut hormones in glucose homeostasis 50, 545, 1991

- Modification of lipoprotein lipase activity in response to gastric inhibitory polypeptide (GIP) in rats intubated with triolein 50, 190A, 1991

- The effect of a low-fat diet on hormone and metabolite concentrations following a mixed meal in healthy subjects 50, 89A, 1991

- The role of insulin and GIP in lipid metabolism in obese (ob/ob) mice 50, 188A, 1991

Gastrointestinal peptides

- Influence of soluble non-starch polysaccharides and food intake on mucosal cell turnover and some gastrointestinal peptides in the rat 50, 57A, 1991

Gastrostomy

- Percutaneous endoscopic gastrostomy for nutritional support: technique, indications and initial results 50, 154A, 1991

General practitioners

- Attitudes to food allergy: a survey of general practitioners in Dublin 50, 177A, 1991

Genetic factors

- Genetic influence on fatness and fat distribution in women 50, 92A, 1991

Genetic manipulation

- Genetic modification of fibre digestion 50, 173, 1991

- Manipulation of fibre digestion in the rumen
50, 187, 1991
- Glucagon-like peptides**
Gut hormones in glucose homeostasis
50, 545, 1991
- Glucocorticoids**
The effects of peripheral and central glucocorticoids on insulin secretion in the obese Zucker rat
50, 91A, 1991
- Glucose absorption**
The effect of high viscosity guar gum flour on the rate of glucose absorption and net insulin production in the portal blood of the pig
50, 72A, 1991
- Glucose homeostasis**
Diet components in the management of diabetes
50, 631, 1991
Direct and indirect actions of nutrients in the regulation of insulin secretion from the pancreatic β cells
50, 559, 1991
Disturbances of glucose homeostasis in diabetes
50, 577, 1991
Effects of neonatal under- and overnutrition on the function of the entero-insular axis in rats
50, 191A, 1991
Hypoglycaemic and anti-hyperglycaemic drugs for the control of diabetes
50, 619, 1991
Metabolic control of insulin gene expression and biosynthesis
50, 553, 1991
Regulation of hepatic glucose metabolism by insulin and counter-regulatory hormones
50, 567, 1991
Traditional dietary adjuncts for the treatment of diabetes mellitus
50, 641, 1991
- Glucose-lowering drugs**
Hypoglycaemic and anti-hyperglycaemic drugs for the control of diabetes
50, 619, 1991
- Glucose tolerance**
The effect of cereal source and processing on post-prandial glucose, insulin and GIP responses to starch in man
50, 186A, 1991
- Glucose turnover**
Effect of intraruminal propionate infusion on rumen fermentation and whole body glucose turnover rate in forage-fed steers
50, 78A, 1991
- Glutamine metabolism**
The effect of ageing on glutamine metabolism in skeletal muscle of the rat
50, 40A, 1991
- Glycogenesis**
Rates of synthesis of glycogen and lipid following a meal in cachectic tumour-bearing rats
50, 141A, 1991
The effect of inhibiting gluconeogenesis on the synthesis of glycogen and lipid in cachectic tumour-bearing rats
50, 140A, 1991
- Grazing animals**
Diet selection by grazing animals
50, 77, 1991
- Growth**
Does a low-fat diet impair growth in pre-school children?
50, 233A, 1991
Effects of feeding level and sex on nitrogen retention and serum insulin-like growth factor-I in growing pigs
50, 62A, 1991
Sire effects on growth and carcass characteristics of Friesian steers during the finishing period
50, 84A, 1991
- Growth factors**
The relationship of human milk growth factor activity with maternal body mass index and maternal age
50, 179A, 1991
The use of rat intestinal epithelial cells to study the growth-promoting properties of porcine, bovine and human milk
50, 214A, 1991
- Growth hormone**
Six month responses to growth hormone therapy for growth disorders are predicted by early changes in body composition and energy expenditure
50, 152A, 1991
Tissue protein turnover in normal rats after a single dose of rat growth hormone
50, 236A, 1991
- Guar gum**
Effects of sucrose-feeding on in vivo rates of hepatic fatty acid, cholesterol and glycogen synthesis in rats given dietary guar gum or volatile fatty acid salts
50, 73A, 1991
The effect of high viscosity guar gum flour on the rate of glucose absorption and net insulin production in the portal blood of the pig
50, 72A, 1991
The effect of low, medium and high molecular weight grades of guar gum on postprandial blood glucose and plasma insulin in non-insulin-dependent diabetics
50, 58A, 1991
- Guar wheatflakes**
The effect of guar wheatflakes on postprandial blood glucose, plasma insulin, and C-peptide levels in healthy subjects
50, 59A, 1991
- Health attitude**
Health attitudes and dietary behaviour in Northern Ireland
50, 221A, 1991
- Health education**
Application of a newly developed diet questionnaire for use in health education
50, 220A, 1991
How much does the public know about fat intake and heart disease?
50, 24A, 1991
Nutrition education in Scottish schools
50, 45, 1991
- 'Healthy' foods**
Knowledge, diet, and stock decisions of small independent retailers with regard to 'healthy' foods
50, 22A, 1991
- Heart-rate**
Energy expenditure by minute-by-minute heart-rate in cystic fibrosis patients
50, 132A, 1991
Estimation of energy expenditure by heart-rate monitoring in healthy children and adolescents: a validation study
50, 131A, 1991
- Hepatic drug metabolism**
Hepatic drug metabolism in chronically-diabetic streptozotocin-treated rats
50, 217A, 1991

HIV-positive homosexuals

- The nutritional knowledge, attitudes and practices of male HIV-positive homosexuals
50, 226A, 1991

Homocysteinaemia

- The effect of propargylglycine feeding on copper status in the rat
50, 122A, 1991

Homocysteine

- Homocysteine toxicity towards human cell lines
50, 134A, 1991

Hypermetabolism

- Mechanisms involved in the fever and hypermetabolism induced by turpentine injection in the rat
50, 149A, 1991

Hypothalamus

- Hypothalamic regulatory peptides and the regulation of food intake and energy balance: signals or noise?
50, 527, 1991

Immune function

- L-Arginine stimulates human lymphocyte natural cytotoxicity
50, 172A, 1991

- β -Carotene and the immune response
50, 263, 1991

- Immune function tests, iron metabolism and susceptibility to infection in primary undernutrition and refeeding
50, 63A, 1991

- Immune responses in calves depleted of vitamin E, or selenium or both
50, 196A, 1991

- Selenium and the immune response
50, 275, 1991

- The effect of vitamin E deficiency on immune function in Wistar rats
50, 67A, 1991

- Unsaturated fatty acids inhibit interleukin-2 production by concanavalin A-stimulated lymphocytes
50, 171A, 1991

- Vitamin A and the immune function
50, 251, 1991

- Vitamin E and the immune response
50, 245, 1991

- Zinc nutritive status and immunocompetence in anorexia nervosa
50, 53A, 1991

Indirect calorimetry

- Indirect calorimetry in critical care
50, 239, 1991

Infectious diseases

- Malnutrition as a risk factor for mortality from infectious diseases among Ugandan children
50, 82A, 1991

Inflammatory agents

- The influence of glycine and cysteine supplementation on the metabolic response to *Escherichia coli* endotoxin in rats fed on diets of marginal protein adequacy
50, 43A, 1991

Infra-red thermography

- Failure to demonstrate brown adipose tissue thermogenesis in adult man using infra-red thermography during both cold- and glucose-induced thermogenesis
50, 119A, 1991

Injury

- The effects of injury and joint disease on muscle mass and protein turnover
50, 501, 1991

Insulin

- Abnormalities of cholesterol metabolism in diabetes
50, 583, 1991

- Direct and indirect actions of nutrients in the regulation of insulin secretion from the pancreatic β cells
50, 559, 1991

- Disturbances of glucose homeostasis in diabetes
50, 577, 1991

- Interrelationships between obesity and diabetes
50, 605, 1991

- Metabolic control of insulin gene expression and biosynthesis
50, 553, 1991

- Regulation of hepatic glucose metabolism by insulin and counter-regulatory hormones
50, 567, 1991

Insulin binding

- Regulation of insulin binding to sheep adipocyte membranes
50, 210A, 1991

Insulin-like growth factor-1

- Effects of feeding level and sex on nitrogen retention and serum insulin-like growth factor-1 in growing pigs
50, 62A, 1991

- Insulin-like growth factor-1 concentrations in serum, colostrum and milk of ewes with single, twin and triplet lambs
50, 135A, 1991

Insulin production

- The effect of high viscosity guar gum flour on the rate of glucose absorption and net insulin production in the portal blood of the pig
50, 72A, 1991

Insulin sensitivity

- Insulin resistance and insensitivity in pre-eclampsia
50, 202A, 1991

- Insulin sensitivity in pregnancy: studies with the euglycaemic clamp technique
50, 201A, 1991

Intensive care

- A randomized study of starter enteral feeding regimens in a mixed intensive care unit
50, 219A, 1991

IQ

- Food, vitamins and IQ
50, 29, 1991

Iron

- Effect of phytate on iron and zinc absorption from a model food system in sucking rats
50, 185A, 1991

- Effect of tea on iron and zinc absorption in suckling rats
50, 113A, 1991

- Immune function tests, iron metabolism and susceptibility to infection in primary undernutrition and refeeding
50, 63A, 1991

- Iron intake during weaning and the protein-energy nutritional and iron status of Asian toddlers in Sheffield
50, 235A, 1991

- Iron status, antioxidant enzymes and tumour load in male and female rats treated with 1,2-dimethylhydrazine (DMH)
50, 194A, 1991

- The effect of iron status on antioxidant enzyme activities in male and female rats
50, 130A, 1991

Isotope labelling

- Measurement of energy expenditure: the doubly-labelled-water method in clinical practice
50, 227, 1991

- Organ-specific measurements of protein turnover in man 50, 217, 1991
- Whole-body protein and amino acid turnover in man: what can we measure with confidence? 50, 197, 1991
- Italy**
- The Mediterranean Italian diet: keys to contemporary thinking 50, 519, 1991
- Lactation**
- Critical nutrient proportions for lactational success in rats 50, 6A, 1991
- Effects of long-term feeding of high-fat diets containing triolein or medium-chain triacylglycerols to lactating rats on the disposal of a meal containing the ¹⁴C-labelled lipid 50, 7A, 1991
- How is the energy budget balanced in well-nourished lactating women? 50, 8A, 1991
- Insulin-like growth factor-1 concentrations in serum, colostrum and milk of ewes with single, twin and triplet lambs 50, 135A, 1991
- Interactions between feed protein, carbohydrate and fat on the lactational performance of rats 50, 5A, 1991
- The drinking behaviour of lactating cows offered silage *ad lib.* 50, 97A, 1991
- The relationship of human milk growth factor activity with maternal body mass index and maternal age 50, 179A, 1991
- Lactitol polyester**
- The effect of a non-absorbable lipid, lactitol polyester on fat-soluble vitamin and cholesterol levels in the rat 50, 121A, 1991
- Leucocyte function**
- Vitamin C in stimulated and unstimulated leucocytes in culture 50, 65A, 1991
- Linoleic acid**
- Relation between levels of linoleic acid in plasma non-esterified fatty acids and plasma and adipose tissue triacylglycerols in healthy adults consuming normal diets or diets high or low in linoleic acid 50, 129A, 1991
- Lipogenesis**
- Rates of synthesis of glycogen and lipid following a meal in cachectic tumour-bearing rats 50, 141A, 1991
- The effect of inhibiting gluconeogenesis on the synthesis of glycogen and lipid in cachectic tumour-bearing rats 50, 140A, 1991
- Liver disease**
- Resting energy expenditure in children with liver disease 50, 157A, 1991
- Liver metabolism**
- Effects of sucrose-feeding on in vivo rates of hepatic fatty acid, cholesterol and glycogen synthesis in rats given dietary guar gum or volatile fatty acid salts 50, 73A, 1991
- Isolation of sinusoidal membrane vesicles from human liver for studies of amino acid transport: a preliminary report 50, 161A, 1991
- Regulation of hepatic glucose metabolism by insulin and counter-regulatory hormones 50, 567, 1991
- Liver protein metabolism**
- Glycine and cysteine supplementation influences weight gain and liver glutathione, protein and zinc of rats fed on diets of marginally inadequate protein content 50, 44A, 1991
- Local injury**
- Effect of local injury on protein synthesis in skeletal muscle in the rat 50, 166A, 1991
- Lung function**
- Fruit consumption and lung function 50, 34A, 1991
- Lysine metabolism**
- Lysine metabolism in young turkeys fed on diets containing different levels of lysine 50, 41A, 1991
- Malaria**
- Plasma ascorbate concentrations in human malaria 50, 66A, 1991
- Malnutrition**
- Patterns of children's malnutrition in an area of Southern Somalia with multiethnic composition 50, 80A, 1991
- Mammary tumour**
- Effect of different dietary fats on mammary tumour incidence and on the fatty acid composition of membrane phospholipids 50, 229A, 1991
- Manganese**
- Absorption of manganese from tea in suckling rats 50, 114A, 1991
- Control of manganese absorption in sucking and weanling rats 50, 183A, 1991
- Meal characteristics**
- Meal characteristics as indicators of nutrient intake 50, 174A, 1991
- Media**
- The Media and slimming 50, 479, 1991
- Mediterranean diet**
- The Mediterranean diet: fish and olives, oil on troubled waters 50, 513, 1991
- The Mediterranean Italian diet: keys to contemporary thinking 50, 519, 1991
- Membrane phospholipids**
- Effect of different dietary fats on mammary tumour incidence and on the fatty acid composition of membrane phospholipids 50, 229A, 1991
- Menaquinone**
- Measurement and significance of hepatic menaquinones in rats fed on low-fibre diets 50, 71A, 1991
- Metabolic changes**
- Metabolic and behavioural responses to altered energy intake in man. 1. Experimental over-feeding 50, 110A, 1991
- Metabolic and behavioural responses to altered energy intake in man. 2. Experimental under-feeding 50, 111A, 1991

Metabolic rate

Increased metabolic rate associated with cancer cachexia in mice bearing an adenocarcinoma (MAC 16) 50, 138A, 1991

The effect of a graded infusion of adrenaline on metabolic rate, forearm electro-myographic activity and oxygen consumption 50, 29A, 1991

Metabolizable energy

Conventional factorial calculation underestimates the metabolizable energy value of peas 50, 216A, 1991

Microbial metabolism

Continuous *in vitro* incubation as a model to study microbial metabolism in the hind-gut of pigs 50, 76A, 1991

Microbial synergism

Effects of microbial synergism on fibre digestion in the rumen 50, 149, 1991

Micronutrients

Disturbances of micronutrient and antioxidant status in diabetes 50, 591, 1991

Milk

Bioavailable zinc concentrations in soya milks and cow's milk 50, 184A, 1991

Is milk a suitable supplementary food for the nutritional support of West African children? 50, 234A, 1991

The use of rat intestinal epithelial cells to study the growth-promoting properties of porcine, bovine and human milk 50, 214A, 1991

Minerals

Effects of copper deficiency and induction of streptozotocin (STZ)-diabetes on trace element mineral status in the rat 50, 182A, 1991

Mitochondrial

Effect of vitamin E and related compounds on mitochondrial Ca^{2+} -retention capacity 50, 228A, 1991

Mortality

Anthropometric indices and risk of mortality allowing for socio-economic differences among Ugandan children 50, 81A, 1991

Mucosal cell turnover

Influence of soluble non-starch polysaccharides and food intake on mucosal cell turnover and some gastrointestinal peptides in the rat 50, 57A, 1991

Mulberry heart disease

Is mulberry heart disease in pigs the result of uncomplicated vitamin E deficiency? 50, 205A, 1991

N balance

Whole-body protein and amino acid turnover in man: what can we measure with confidence? 50, 197, 1991

¹⁵N labelling

Assessment of protein metabolism in man with ¹⁵N-labelled soya bean 50, 46A, 1991

N utilization

The effect of inhibiting the bio-availability of additional vitamin B₆ on nitrogen utilization in the pig 50, 50A, 1991

Non-starch polysaccharides

Digestion of non-starch polysaccharides by non-ruminant omnivores 50, 161, 1991

Effects of ageing on the caecal fermentation response to oat-feeding in rats 50, 74A, 1991

Effects of microbial synergism on fibre digestion in the rumen 50, 149, 1991

Genetic modification of fibre digestion 50, 173, 1991

Influence of soluble non-starch polysaccharides and food intake on mucosal cell turnover and some gastrointestinal peptides in the rat 50, 57A, 1991

Manipulation of fibre digestion in the rumen 50, 187, 1991

The effect of non-starch polysaccharides on the magnitude and composition of faecal energy in normal healthy adults 50, 56A, 1991

The effect of non-starch polysaccharide on urea kinetics in normal adult males consuming a low-protein diet 50, 55A, 1991

Noradrenaline

Potentiation as a possible mechanism to explain differences in dose response *v.* single dose infusion of noradrenaline while estimating thermogenic responses in human subjects 50, 28A, 1991

Novel nutrients

Changes in dietary energy with novel proteins and fats 50, 391, 1991

Nutrient experience

Sensory and experiential factors in the design of foods for domestic dogs and cats 50, 99, 1991

Nutrient intake

Direct and indirect actions of nutrients in the regulation of insulin secretion from the pancreatic β cells 50, 559, 1991

Food, vitamins and IQ 50, 29, 1991

Iron intake during weaning and the protein-energy nutritional and iron status of Asian toddlers in Sheffield 50, 235A, 1991

Meal characteristics as indicators of nutrient intake 50, 174A, 1991

Nutrient intake in schoolchildren: some practical considerations 50, 37, 1991

Nutrient intakes from current, ex- and never smokers: results from the Scottish Heart Health Study 50, 36A, 1991

Nutrient intakes of medically-advised and self-selected slimmers: results from the Scottish Heart Health Study 50, 117A, 1991

Nutrient-gene interactions

Atopy, allergy and the alimentary canal 50, 299, 1991

Fructose intolerance: diet and inheritance 50, 305, 1991

Genetics of obesity and human energy metabolism 50, 139, 1991

- Molecular biology and vitamin D function
50, 131, 1991
- Nutritional and hormonal regulation of genes for lipogenic enzymes
50, 115, 1991
- Possible dietary factors in the induction of diabetes and its inheritance in man, with studies in mice
50, 287, 1991
- Trace element-gene interactions with particular reference to zinc
50, 123, 1991
- Nutritional degenerative myopathy**
- Tissue activities of glutathione peroxidase (*EC* 1.11.1.9) and related enzymes in cattle depleted of vitamin E or selenium, or both
50, 125A, 1991
- Tissue concentrations of vitamin E, selenium and thiobarbituric acid reactive substances in ruminant calves depleted of vitamin E, or selenium, or both
50, 68A, 1991
- Nutritional implications of change**
- A case study: Bulgaria
50, 695, 1991
- Diet and disease in East and West Germany
50, 719, 1991
- Nutritional implications of political and economic changes in Eastern Europe
50, 687, 1991
- The nutritional implications of changing food systems in Eastern Europe
50, 703, 1991
- Nutritional knowledge**
- The nutritional knowledge, attitudes and practices of male HIV-positive homosexuals
50, 226A, 1991
- Nutritional repletion**
- Nutritional assessment using simple pulmonary function studies
50, 150A, 1991
- Nutritional status**
- Diet quality, environment and nutritional status in Gilan, Iran
50, 21A, 1991
- The use of C-reactive protein, transferrin and prealbumin in monitoring the nutritional status of patients receiving total parenteral nutrition
50, 151A, 1991
- Nutritional supplementation**
- Growth of stunted children given nutritional supplementation and psychosocial stimulation
50, 12A, 1991
- The effects of nutritional supplementation on the development of stunted children
50, 13A, 1991
- Nutritional support**
- Colonic preservation reduces the need for long-term intravenous nutrition, water and electrolyte therapy in the short bowel syndrome
50, 159A, 1991
- Is milk a suitable supplementary food for the nutritional support of West African children?
50, 234A, 1991
- Percutaneous endoscopic gastrostomy for nutritional support: technique, indications and initial results
50, 154A, 1991
- Practical and nutritional aspects of an elemental diet in the management of Crohn's disease
50, 158A, 1991
- Nutritional surveillance**
- Nutritional surveillance: experiences from developing countries
50, 673, 1991
- Nutritional surveys: ongoing activities in Europe
50, 681, 1991
- The decision-making process in nutritional surveillance in Europe
50, 661, 1991
- What is nutritional surveillance?
50, 653, 1991
- Obesity**
- Effects of orally-administered amino acids on circulating gastric inhibitory polypeptide (GIP) and insulin concentrations in genetically-obese hyperglycaemic (ob/ob) mice
50, 187A, 1991
- General practitioners' knowledge, attitudes and practice regarding overweight and obesity
50, 25A, 1991
- Genetic influence on fatness and fat distribution in women
50, 92A, 1991
- Genetics of obesity and human energy metabolism
50, 139, 1991
- Indices of body-fat distribution in angiographically-defined coronary artery disease in man
50, 209A, 1991
- Interrelationships between obesity and diabetes
50, 605, 1991
- Moderator's remarks
50, 409, 1991
- No evidence of lower energy expenditure in post-obese women
50, 109A, 1991
- Obesity and health: why slim?
50, 413, 1991
- Protein conservation in the obese Zucker rat during fasting
50, 48A, 1991
- The effect of D-fenfluramine on body-weight of lean and obese Aston strain mice
50, 127A, 1991
- The effects of peripheral and central glucocorticoids on insulin secretion in the obese Zucker rat
50, 91A, 1991
- The role of insulin and GIP in lipid metabolism in obese (ob/ob) mice
50, 188A, 1991
- Obituary**
- Obituary Notice, R. H. Smith (1924-1991)
50, i, 1991
- Oestrous cycle**
- The effect of the oestrous cycle in rats on fat and protein selection
50, 2A, 1991
- Olive oil**
- The Mediterranean diet: fish and olives, oil on troubled waters
50, 513, 1991
- Overseas Membership**
- Does the Nutrition Society serve the needs of its overseas members?
50, 1, 1991
- Oxidized fats**
- Influence of vegetable oils and α -tocopherol supplementation on tocopherol concentrations in chick tissues
50, 192A, 1991
- 5-Oxoproline excretion**
- Increased urinary excretion of 5-oxoproline in vegetarians
50, 106A, 1991

Oxygen

The effect of a graded infusion of adrenaline on metabolic rate, forearm electro-myographic activity and oxygen consumption
50, 29A, 1991

Parasite infestation

Diet quality, environment and nutritional status in Gilan, Iran
50, 21A, 1991

Impact of *Ascaris lumbricoides* and other intestinal helminths on intestinal permeability and growth in Bangladeshi children
50, 83A, 1991

Parenteral feeding

The influence of total parenteral nutrition on rat liver protein synthesis in an acute-phase reaction induced by interleukin-1 β or turpentine
50, 170A, 1991

Twenty-four h energy and substrate balance in patients receiving total parenteral nutrition
50, 165A, 1991

Urinary nitrogen, urinary urea and urinary amino acids during intravenous feeding in multiple organ failure
50, 163A, 1991

Parenteral nutrition

A new cuffed polyurethane catheter for long-term central venous access: clinical evaluation confirms safety and efficacy
50, 155A, 1991

Superior vena cava thrombosis in patients on home parenteral nutrition; aetiology and mortality
50, 156A, 1991

The use of C-reactive protein, transferrin and prealbumin in monitoring the nutritional status of patients receiving total parenteral nutrition
50, 151A, 1991

Peas

Conventional factorial calculation underestimates the metabolizable energy value of peas
50, 216A, 1991

Effects of variety and harvesting method on the energy value of mature peas
50, 215A, 1991

Perfusion

Perfusion of isolated human placenta
50, 345, 1991

Peroxy radicals

Effect of antioxidant vitamin supplementation on the peroxy radical trapping ability of plasma
50, 133A, 1991

Phenylketonuria

Dietary control in the first year of life and its associated problems in children with phenylketonuria
50, 178A, 1991

Phospholipid metabolism

The effects of cobalt-vitamin B₁₂ deficiency on methionine synthase activity and phospholipid methylation in the sheep
50, 213A, 1991

Physical activity

Assessment of energy expenditure and patterns of physical activity in healthy children, aged 7–15 years
50, 224A, 1991

Phytate

Effect of phytate on iron and zinc absorption from a model food system in sucking rats
50, 185A, 1991

Pituitary–adrenal axis

Placental corticotrophin-releasing hormone: activator of the pituitary–adrenal axis in human pregnancy
50, 363, 1991

Placenta

Current perspectives on placental development and its integration with fetal growth
50, 311, 1991

Energy and substrate requirements of the placenta and fetus
50, 321, 1991

Human placental trophoblast culture: one-sided and two-sided models
50, 349, 1991

In vivo measurements of placental transport and metabolism
50, 355, 1991

Perfusion of isolated human placenta
50, 345, 1991

Placental corticotrophin-releasing hormone: activator of the pituitary–adrenal axis in human pregnancy
50, 363, 1991

Placental transport studied by means of isolated plasma membrane vesicles
50, 337, 1991

Placental transfer

Asymmetric enhancement of cAMP in human placental tissues after treatment with bPTH(1–34)
50, 4A, 1991

Plant oestrogen excretion

Urinary plant oestrogen excretion in postmenopausal women
50, 105A, 1991

Plasma antioxidants

Measurement of radical-trapping antioxidant parameter (TRAP) activity in plasma using chemiluminescence
50, 193A, 1991

Plasma ascorbate

Plasma ascorbate concentrations in human malaria
50, 66A, 1991

Plasma cholesterol

Dose-response of baked beans for hypercholesterolaemic pigs fed a Western-type diet
50, 232A, 1991

Plasma insulin

Elevation of serum insulin levels by the artificial pancreas and by oral carbohydrate loading stimulates cholesterol synthesis and storage in humans
50, 198A, 1991

The effect of guar wheatflakes on postprandial blood glucose, plasma insulin and C-peptide levels in healthy subjects
50, 59A, 1991

The effect of low, medium and high molecular weight grades of guar gum on postprandial blood glucose and plasma insulin in non-insulin-dependent diabetics
50, 58A, 1991

The effects of peripheral and central glucocorticoids on insulin secretion in the obese Zucker rat
50, 91A, 1991

Plasma lipids

The effect of rice and wheat bran supplements on plasma lipids in healthy adult male volunteers
50, 208A, 1991

Plasma membrane vesicles

Placental transport studied by means of isolated plasma membrane vesicles 50, 337, 1991

Polyunsaturated fatty acids

The effects of feeding protected polyunsaturated fatty acids and α -tocopherol to calves depleted of α -tocopherol and selenium 50, 204A, 1991

Portion weights

Individuality of portion weights of fat spreads 50, 23A, 1991

Post-menopause

Urinary plant oestrogen excretion in post-menopausal women 50, 105A, 1991

Pregnancy

Effect of a milk-free diet on fetal cord blood milk antibody levels: a study of normal and atopic mothers 50, 9A, 1991

Effects of food restriction on sodium and potassium balances in pregnant rats 50, 49A, 1991

Glycine and urea metabolism during normal and diabetic pregnancies 50, 200A, 1991

Insulin resistance and insensitivity in pre-eclampsia 50, 202A, 1991

Insulin sensitivity in pregnancy: studies with the euglycaemic clamp technique 50, 201A, 1991

Placental corticotrophin-releasing hormone: activator of the pituitary-adrenal axis in human pregnancy 50, 363, 1991

Serum amino acids during insulin-dependent diabetic and normal pregnancies and their relationship to estimates of fetal weight 50, 199A, 1991

Serum and cord blood levels of anti-ovalbumin and anti-gliadin IgG in atopic and non-atopic pregnant women 50, 10A, 1991

Stable isotope studies of albumin synthesis during normal pregnancy 50, 3A, 1991

Premature infants

Chronic undernutrition in very-low-birth-weight infants who develop bronchopulmonary dysplasia 50, 33A, 1991

Prematurity

Vitamin E supplementation and vitamin E status of premature infants and the occurrence of retinopathy of prematurity 50, 112A, 1991

Propionate infusion

Effect of intraruminal propionate infusion on rumen fermentation and whole body glucose turnover rate in forage-fed steers 50, 78A, 1991

Protein conservation

Protein conservation in the obese Zucker rat during fasting 50, 48A, 1991

Protein intake

A comparison of a split diet system and choice feeding on food intake and growth of broilers 50, 96A, 1991

Energy metabolism of pigs of high genetic potential: effects of protein and energy intake 50, 61A, 1991

Operant studies on feed selection in sheep 50, 95A, 1991

The contractile characteristics of rat skeletal muscle following consumption of a low-protein diet 50, 87A, 1991

The effect of different pairs of feeds offered as a choice on food selection by sheep 50, 94A, 1991

The effect of non-starch polysaccharide on urea kinetics in normal adult males consuming a low-protein diet 50, 55A, 1991

The influence of the dietary protein intake on the response of whole body protein synthesis and degradation to feeding 50, 45A, 1991

Validation of energy and protein intakes assessed by diet history and weighed records against energy expenditure and 24 h urinary nitrogen excretion 50, 108A, 1991

Protein metabolism

Assessment of protein metabolism in man with ^{15}N -labelled soya bean 50, 46A, 1991

Bicarbonate recovery: feeding v. time 50, 47A, 1991

Glycine and urea metabolism during normal and diabetic pregnancies 50, 200A, 1991

Protein synthesis

Are values of leucyl-tRNA labelling from muscle biopsies reliable? Some supporting evidence 50, 162A, 1991

Effect of local injury on protein synthesis in skeletal muscle in the rat 50, 166A, 1991

Effect of vitamin E deficiency on the response of brain protein synthesis to anaesthesia with volatile anaesthetic agents 50, 144A, 1991

Increased whole body and skeletal muscle protein synthesis in weight-losing cancer patients 50, 142A, 1991

Protein synthesis rate in human skeletal muscle is unaffected by anaesthesia but decreases after abdominal surgery irrespective of total parenteral nutrition 50, 147A, 1991

The influence of total parenteral nutrition on rat liver protein synthesis in an acute-phase reaction induced by interleukin- 1β or turpentine 50, 170A, 1991

Time course of the effect of volatile anaesthetic agents on tissue protein synthesis 50, 167A, 1991

Protein turnover

Organ-specific measurements of protein turnover in man 50, 217, 1991

Post-operative protein kinetics. The effect of nursing patients for 24 h in a thermoneutral environment 50, 148A, 1991

The effects of injury and joint disease on muscle mass and protein turnover 50, 501, 1991

Tissue protein turnover in normal rats after a single dose of rat growth hormone 50, 236A, 1991

Whole-body protein and amino acid turnover in man: what can we measure with confidence? 50, 197, 1991

Whole body protein turnover and the acute phase response in relation to the survival of colon cancer patients 50, 143A, 1991

Pulmonary function

- Nutritional assessment using simple pulmonary function studies 50, 150A, 1991

Questionnaire results

- Does the Nutrition Society serve the needs of its overseas members? 50, 1, 1991

Renal dialysis

- Assessment of changes in total body water in patients undergoing renal dialysis using bioelectrical impedance analysis 50, 153A, 1991

Resting metabolic rate

- Resting metabolic rate and body composition of normal and athletic adults 50, 239A, 1991

tRNA labelling

- Are values of leucyl-tRNA labelling from muscle biopsies reliable? Some supporting evidence 50, 162A, 1991

Rumen

- Manipulation of fibre digestion in the rumen 50, 187, 1991

Rumen osmolality

- The effect of drinking water on food-intake responses to manipulations of rumen osmolality in sheep 50, 98A, 1991

Salbutamol

- Effect of salbutamol on skeletal muscle functional capacity in man 50, 237A, 1991

Selenium

- Immune responses in calves depleted of vitamin E, or selenium or both 50, 196A, 1991
Selenium and the immune response 50, 275, 1991

- The effects of feeding protected polyunsaturated fatty acids and α -tocopherol to calves depleted of α -tocopherol and selenium 50, 204A, 1991

- Tissue activities of glutathione peroxidase (*EC* 1.11.1.9) and related enzymes in cattle depleted of vitamin E or selenium, or both 50, 125A, 1991

- Tissue concentrations of vitamin E, selenium and thiobarbituric acid reactive substances in ruminant calves depleted of vitamin E, or selenium, or both 50, 68A, 1991

Sepsis

- Regulation of hepatic phosphofructokinase-1 activity in septic surgical patients 50, 164A, 1991

Shelf-life

- The effect of dietary α -tocopherol supplementation on the storage stability of chicken muscle 50, 120A, 1991

Short bowel syndrome

- Colonic preservation reduces the need for long-term intravenous nutrition, water and electrolyte therapy in the short bowel syndrome 50, 159A, 1991

Sir David Cuthbertson Medal lecture

- The effects of injury and joint disease on muscle mass and protein turnover 50, 501, 1991

Skeletal muscle

- Are values of leucyl-tRNA labelling from muscle biopsies reliable? Some supporting evidence 50, 162A, 1991

- Effect of local injury on protein synthesis in skeletal muscle in the rat 50, 166A, 1991

- Effect of salbutamol on skeletal muscle functional capacity in man 50, 237A, 1991

- Inhibition of enzyme efflux from damaged skeletal muscle: a non-antioxidant role for α -tocopherol? 50, 70A, 1991

- Protein synthesis rate in human skeletal muscle is unaffected by anaesthesia but decreases after abdominal surgery irrespective of total parenteral nutrition 50, 147A, 1991

- The contractile characteristics of rat skeletal muscle following consumption of a low-protein diet 50, 87A, 1991

Slimming

- A diet for slimming? 50, 433, 1991

- Exercise for slimming 50, 459, 1991

- Moderator's remarks 50, 409, 1991

- Nutrient intakes of medically-advised and self-selected slimmers: results from the Scottish Heart Health Study 50, 117A, 1991

- Obesity and health: why slim? 50, 413, 1991

- Physiological responses to slimming 50, 441, 1991

- The association of slimming with eating disorders 50, 473, 1991

- The Media and slimming 50, 479, 1991

- The safety of dieting 50, 493, 1991

- Weight change in subjects voluntarily enrolling in successive annual 'sponsored slims' 50, 116A, 1991

Smoking

- Dietary intakes of smokers and non-smokers in the Northern Ireland population 50, 101A, 1991

- Nutrient intakes from current, ex- and never smokers: results from the Scottish Heart Health Study 50, 36A, 1991

- Smoking and diet: a study amongst male university students 50, 103A, 1991

Snacks

- Snack energy and nutrient intakes of Northern Ireland adolescents 50, 180A, 1991

Socio-economic effects

- Anthropometric indices and risk of mortality allowing for socio-economic differences among Ugandan children 50, 81A, 1991

Starch digestion

- Diet components in the management of diabetes 50, 631, 1991

- The effect of formaldehyde treatment of barley on starch digestion in sheep 50, 93A, 1991

Starvation

- The safety of dieting 50, 493, 1991

Succinate

- The role of succinate in ovine cobalt-vitamin B₁₂ deficiency 50, 212A, 1991

Sucrose

The effects of including or excluding sucrose in a weight reduction programme 50, 223A, 1991

Sugar alcohols

Dietary energy density on using sugar alcohols as replacements for sugar 50, 383, 1991

Surgery

Changes in plasma catecholamines following surgery: the effect of body heat conservation or epidural anaesthesia 50, 146A, 1991
 Post-operative protein kinetics. The effect of nursing patients for 24 h in a thermoneutral environment 50, 148A, 1991

Tea

Absorption of manganese from tea in suckling rats 50, 114A, 1991
 Effect of tea on iron and zinc absorption in suckling rats 50, 113A, 1991
 Influence of tea on the availability of copper 50, 54A, 1991

Testosterone implants

The influence of adrenalectomy on the 'anabolic' effect of testosterone implants in rats 50, 85A, 1991

TFOM

A case study: Bulgaria 50, 695, 1991
 Diet and disease in East and West Germany 50, 719, 1991
 Nutritional implications of political and economic changes in Eastern Europe 50, 687, 1991
 Nutritional surveillance: experiences from developing countries 50, 673, 1991
 Nutritional surveys: ongoing activities in Europe 50, 681, 1991
 The decision-making process in nutritional surveillance in Europe 50, 661, 1991
 The nutritional implications of changing food systems in Eastern Europe 50, 703, 1991
 What is nutritional surveillance? 50, 653, 1991

Thermic effect

Increased thermic effect of a standard meal in chronically energy-deficient human subjects 50, 19A, 1991
 The effect of energy supplementation on noradrenaline-induced thermogenesis, thermic effect of a meal and basal metabolic rate in chronically energy-deficient human subjects 50, 26A, 1991

Thermogenesis

L110140 (Fluoxetine) is an antidepressant and appetite suppressant: does it have thermogenic properties? 50, 181A, 1991

Thermogenic response

Potentiation as a possible mechanism to explain differences in dose response v. single dose infusion of noradrenaline while estimating thermogenic responses in human subjects 50, 28A, 1991

Thermoneutrality

Post-operative protein kinetics. The effect of nursing patients for 24 h in a thermoneutral environment 50, 148A, 1991

Thrombosis

Superior vena cava thrombosis in patients on home parenteral nutrition: aetiology and mortality 50, 156A, 1991

 α -Tocopherol

Influence of vegetable oils and α -tocopherol supplementation on tocopherol concentrations in chick tissues 50, 192A, 1991
 The effects of feeding protected polyunsaturated fatty acids and α -tocopherol to calves depleted of α -tocopherol and selenium 50, 204A, 1991

TRAP activity

Measurement of radical-trapping antioxidant parameter (TRAP) activity in plasma using chemiluminescence 50, 193A, 1991

Trauma

Regulation of hepatic phosphofructokinase-1 activity in septic surgical patients 50, 164A, 1991

Triacylglycerols

Relation between levels of linoleic acid in plasma non-esterified fatty acids and plasma and adipose tissue triacylglycerols in healthy adults consuming normal diets or diets high or low in linoleic acid 50, 129A, 1991

Trophoblast culture

Human placental trophoblast culture: one-sided and two-sided models 50, 349, 1991

Tryptophan

The effects of dietary energy source and tryptophan on hormones of the entero-insular axis and glucose in the early weaned pig after an intragastric infusion of glucose 50, 227A, 1991

Tumour growth

Evidence for the stimulation of human tumour growth by the amino acid L-arginine 50, 139A, 1991

Tumour necrosis factor α

Modulatory effects of glycine and cysteine on the response of glutathione and acute-phase proteins to tumour necrosis factor α in rats 50, 169A, 1991
 The effects of dietary lipids on metabolic responses to tumour necrosis factor 50, 168A, 1991

Turpentine injection

Mechanisms involved in the fever and hypermetabolism induced by turpentine injection in the rat 50, 149A, 1991

UK diet

Cholesterol in the British household diet 50, 231A, 1991

Undernutrition

Chronic undernutrition in very-low-birth-weight infants who develop bronchopulmonary dysplasia 50, 33A, 1991
 Immune function tests, iron metabolism and susceptibility to infection in primary undernutrition and refeeding 50, 63A, 1991

Urea kinetics

The effect of non-starch polysaccharide on urea kinetics in normal adult males consuming a low-protein diet 50, 55A, 1991

Urinary excretion

Urinary nitrogen, urinary urea and urinary amino acids during intravenous feeding in multiple organ failure 50, 163A, 1991

Vegetarians

Increased urinary excretion of 5-oxoproline in vegetarians 50, 106A, 1991

Vitamin A

Vitamin A and the immune function 50, 251, 1991

Vitamin B₁₂

The effects of cobalt-vitamin B₁₂ deficiency on methionine synthase activity and phospholipid methylation in the sheep 50, 213A, 1991

The role of succinate in ovine cobalt-vitamin B₁₂ deficiency 50, 212A, 1991

Vitamin B₆

The effect of inhibiting the bio-availability of additional vitamin B₆ on nitrogen utilization in the pig 50, 50A, 1991

Vitamin C

Effects of vitamin C on sorbitol in eye lens of guinea-pigs made diabetic with streptozotocin 50, 64A, 1991

Vitamin C in stimulated and unstimulated leucocytes in culture 50, 65A, 1991

Vitamin D

Molecular biology and vitamin D function 50, 131, 1991

Vitamin E

Effect of vitamin E and related compounds on mitochondrial Ca²⁺-retention capacity 50, 228A, 1991

Effect of vitamin E deficiency on the response of brain protein synthesis to anaesthesia with volatile anaesthetic agents 50, 144A, 1991

Immune responses in calves depleted of vitamin E, or selenium or both 50, 196A, 1991

Inhibition of enzyme efflux from damaged skeletal muscle: a non-antioxidant role for α -tocopherol? 50, 70A, 1991

Is mulberry heart disease in pigs the result of uncomplicated vitamin E deficiency? 50, 205A, 1991

The effect of dietary α -tocopherol supplementation on the storage stability of chicken muscle 50, 120A, 1991

The effect of vitamin E deficiency on immune function in Wistar rats 50, 67A, 1991

The effects of increased vitamin E supplementation on profitable commercial broiler production 50, 197A, 1991

Tissue activities of glutathione peroxidase (EC 1.11.1.9) and related enzymes in cattle depleted of vitamin E or selenium, or both 50, 125A, 1991

Tissue concentrations of vitamin E, selenium and thiobarbituric acid reactive substances in ruminant calves depleted of vitamin E, or selenium, or both 50, 68A, 1991

Vitamin E and the immune response 50, 245, 1991

Vitamin E supplementation and vitamin E status of premature infants and the occurrence of retinopathy of prematurity 50, 112A, 1991

Vitamin K

Measurement and significance of hepatic menaquinones in rats fed on low-fibre diets 50, 71A, 1991

Water flux

The effect on the doubly- and triply-labelled water methods of water hydrogen incorporation into body fat in growing pigs 50, 30A, 1991

Water intake

The drinking behaviour of lactating cows offered silage *ad lib.* 50, 97A, 1991

The effect of adding water to the diet on body fatness and food intake in broiler chickens 50, 100A, 1991

The effect of drinking water on food-intake responses to manipulations of rumen osmolality in sheep 50, 98A, 1991

Weaning

Control of manganese absorption in sucking and weanling rats 50, 183A, 1991

Weight loss

A diet for slimming? 50, 433, 1991

Hunger and food cravings in successful weight losers 50, 118A, 1991

Physiological responses to slimming 50, 441, 1991

The association of slimming with eating disorders 50, 473, 1991

The effects of including or excluding sucrose in a weight reduction programme 50, 223A, 1991

Weight change in subjects voluntarily enrolling in successive annual 'sponsored slims' 50, 116A, 1991

Zinc

Apparent zinc absorption by rats from foods labelled intrinsically and extrinsically with ⁶⁷Zn 50, 52A, 1991

Assessment of zinc status 50, 19, 1991

Bioavailable zinc concentrations in soya milks and cow's milk 50, 184A, 1991

Effect of phytate on iron and zinc absorption from a model food system in sucking rats 50, 185A, 1991

Effect of tea on iron and zinc absorption in suckling rats 50, 113A, 1991

Effect of zinc supplementation on intestinal permeability and morbidity among Bangladeshi children with persistent diarrhoea syndrome 50, 60A, 1991

The assessment of zinc status: a personal view 50, 9, 1991

- Trace element-gene interactions with particular
reference to zinc **50**, 123, 1991
- Zinc nutritive status and immunocompetence in
anorexia nervosa **50**, 53A, 1991
- ⁶⁷Zn labelling**
- Apparent zinc absorption by rats from foods
labelled intrinsically and extrinsically with
⁶⁷Zn **50**, 52A, 1991
- Intrinsic labelling of peas, chicken meat, eggs,
goat's milk and human milk with ⁶⁷Zn
50, 51A, 1991