Western Abstracts Subject Index

A

Abnormal methionine metabolism, role in liver damage pathogenesis in Wilson disease (WD), 11, 235
ACE screening of pregnant women, Port Townsend, Washington, 197
Acid-base balance in fetal sheep, effects of a direct fetal amino acid infusion on, 293
Actin-induced pathway, endoderm differentiation from embryonic stem cells, 66
Acute injury risk associated with increasing body mass index (BMI) in children, 5
and body mass index of children aged 5-17 years, 217
Acute kidney graft rejection factors contributing to the efficacy of thymoglobulin as a treatment for, 22
risk factors associated with thymoglobulin treatment for, 305
Acute kidney injury, role of netrin-1 induced non-alcoholic fatty liver disease, 109
Acid-base balance in fetal sheep, effects of a direct fetal amino acid infusion on, 293
Alzheimer's disease (AD), caspase 14 elevated in an American Indian child, patient/family characteristics in, 208
Aspergillus endocarditis, of a renal the left ventricle in transplant patient, 229
Amphibole asbestos exposure in Libby individuals, autoimmunity and asbestosis related disease in, 260
Amyloid beta injection in axonal terminal sites, mouse optic tract degeneration, 142
Amyoplasia congenita, prenatal diagnosis of, case report, 277
Anatomical relationship of peroneus longus and brevis tendons at rest and under stress, ultrasonographic evaluation of, 426
Androgen deprivation therapy (ADT), effects of acute sex steroid withdrawal on insulin sensitivity in healthy men, 108
Angelman syndrome mitochondrial pathology in, 278
Antithrombin III, on blood product supply in increasing, 290
Antibody-mediated rejection (AMR) development of late onset, 43
gender mismatch may enhance an immune response, we choose to assess a risk for, 42
Antimicrobial peptides in esophagitis, role of vitamin D in inhibition of C2C12
primary cells, 108
Antiretroviral therapy, CD8 count as predictor for decreased CD4 response to, 447
Antithrombin III, on blood product requirements during neonatal ECMO support, 134
Antithymocyte globulin (ATG), induction immunosuppression therapy vs. non-induction immunosuppression therapy, 37
Antitoxin Madagascar, handwashing and household water purification for reducing typhoid infections in, 180
Anxiety disorders, examination of baseline attention deficit/hyperactivity disorder(ADHD) comorbidities, 29
Aortic aneurysm, homoyxogenase-1 in protection of, 221
Apatite coated scaffolds, and BMP-2 on the osteogenic differentiation of human mesenchymal stem cells, 25
Apoptosis, and proliferation of neurons and glia, 2
Arginine stimulated insulin secretion (ASIS) in ovine fetus, role of fetal amino acid supply in increasing, 290
Asbestos related disease (ARD), in amphibole exposed individuals of Libby, 260
Adolescents alcohol abuse prevention among in Cottonwood, ID, 204
DNA CpG demethylation at IGF-1 INTRON 2 STAT3B enhancer site at onset of, 80
effect of DEX on subsequent ethanol consumption after traumatic event, 151
reproductive health services for, in Prince of Wales Island, Alaska, 203
smoking prevention in girls, 213
sports participation to prevention of tobacco use in Buffalo, Wyoming, 201

Adolescents suicide prevention in, in Dayton, Washington, 57
Adults congenital pulmonary stenosis case report and literature review, 230
low vitamin D levels in Northern Americans with metabolic syndrome, 70
physical fitness programs for senior, in Montpelier, ID, 188
Aerobic exercise, 25-OH vitamin D levels in trained and untrained premenopausal women after, 71
Africa key elements for global health education electives, lessons from Brighter Smiles, 216
oral health status of rural Ugandan school children, 92
African American heart transplant recipients, confirm higher risk and difference in immunoreponsive state, 40
Age-related macular degeneration with genetic markers and environmental factors, susceptibility assessment to, 313
Airflow obstruction, obesity and respiratory symptoms, inter-relationships among, 413
Airway exam information, PATC for accurate, 168
Alaska, adolescent’s reproductive health services in Prince of Wales Island, 203
Albuquerque, prevalence of repetitive stress symptoms by surveying radiologists in, 93
Alcohol abuse prevention among adolescents, in Cottonwood, ID, 204
Alcohol abusers, drug and, creation of a support group for families of, 193
Alcohol use disorders identification test-consumption questionnaire (AUDIT-C), 337
Allergic airway inflammation, inhibition of Farnesyltransferase with FTI-277 attenuates cosinophilic influx in, 411
Allergy testing in children with persistent asthma, 450
Adoltermatrix, adipose derived-stem cell adherence, proliferation, and migration on, 165
Alpha-N-acetylglucosaminidase into Alpha-N-acetylglucosaminidase lipase (ATGL), protective effect/testosterone against high fat diet induced non-alcoholic fatty liver disease, 109
Adipose-derived stem cells (ASCs) adherence on Allogermatrix, 165
effect of distraction forces on the expression of osteogenic genes in, 419
Adolescents alcohol abuse prevention among in Cottonwood, ID, 204
DNA CpG demethylation at IGF-1 INTRON 2 STAT3B enhancer site at onset of, 80
effect of DEX on subsequent ethanol consumption after traumatic event, 151
quality of care research in, patient/family characteristics of, 208
reproductive health services for, in Prince of Wales Island, Alaska, 203
smoking prevention in girls, 213
sports participation to prevention of tobacco use in Buffalo, Wyoming, 201

Anterior segment pathology, ocular imaging analysis, in premature neonates with lung pathology, 170
Anterior segment pathology, ocular imaging techniques for diagnosis and management of patients with, 170
Antibody-mediated rejection (AMR) development of late onset, 43
gender mismatch may enhance an immune response, we choose to assess a risk for, 42
Antimicrobial peptides in esophagitis, role of vitamin D in inhibition of C2C12
primary cells, 108
Antiretroviral therapy, CD8 count as predictor for decreased CD4 response to, 447
Antithrombin III, on blood product requirements during neonatal ECMO support, 134
Antithymocyte globulin (ATG), induction immunosuppression therapy vs. non-induction immunosuppression therapy, 37
Antitoxin Madagascar, handwashing and household water purification for reducing typhoid infections in, 180
Anxiety disorders, examination of baseline attention deficit/hyperactivity disorder(ADHD) comorbidities, 29
Aortic aneurysm, homoyxogenase-1 in protection of, 221
Apatite coated scaffolds, and BMP-2 on the osteogenic differentiation of human mesenchymal stem cells, 25
Apoptosis, and proliferation of neurons and glia, 2
Arginine stimulated insulin secretion (ASIS) in ovine fetus, role of fetal amino acid supply in increasing, 290
Asbestos related disease (ARD), in amphibole exposed individuals of Libby, 260
Aspergillus endocarditis, of a renal the left ventricle in transplant patient, 229
Asthma characterizing the triggers of rural pediatric, 199
in children, clinical utility of exhaled nitric oxide assay in assessment of, 408
by inhaled corticosteroids (ICS), 409
metabolism of ICS may improve their effectiveness for treatment of; 24 metabolic analysis of exhaled breath condensates (EBC) in, 416
simvastatin for treatment of allergic, 158
vitamin D receptor deletion leads to, 157
Astrocyte GLT-1, in ventromedial hypothalamus enhances epinephrine response, in hypoglycemia counterregulatory failure, 147
Astrocyte, maturation and reactivity in pediatric epilepsy syndromes, 23
Astrocyte maturation, pediatric epilepsy syndromes, 405
Assyrian radial burn arrest, in King County, WA before and after implementation of AHA, 48
Athletic participation, substance use and, in university students, 219
Athletic trainers and football coaches, concussion assessment methods among Washington State high school, 218
Attention deficit/hyperactivity disorder (ADHD), comorbidities and their association with caregiver stress and depression, 29
ATV helmet safety, bicycle and, in McCall, Idaho, 209
Audience response system (ARS) in the UBC medical school undergraduate education, 60
Autism spectrum disorders (ASD) cognitive profiles in, 33
orbital distance related to cerebellar volume in children with, 402
verbal language use in individuals and their family members, 6, 26
Autistic youth living in rural communities, brief description of the transition, education, and social experiences of, 36
Autofluorescence bronchoscopy (AFB), in evaluation and treatment of myofibroblastic tumors in airway, case report, 457
Autoneuritis and asbestos related disease (ARD), in amphiboile exposed individuals of Libby, 260

B

B-1 b lymphocytes in low birth weight infants, epigenetic regulation of, 351
Bacterial nitrate reduction, in saliva of newborn infants, 296
Bathroom burn in neonate, case report, 288
BDNF protein abundance in preterm lambs white matter, managed by mechanical ventilation compared to nasal ventilation, 394
Betamethasone, on fetal lung and activation of CaMK2 in a murine model, 126
Betulineic acid, cell proliferation effects of, over-expression of RASSF1C protects lung cancer cells from, 99
Bhutanese Nepali refugee, community of twin falls, nutrition education in, 178
Biceps brachii long head overactivity, elbow flexion contracture in children with BPBP, 200
Bicycle and ATV helmet safety in McCall, 209
Biliary atresia; high dose intravenous immunoglobulin in murine model of, immunomodulatory role of, 258
in New Mexico, epidemiology of, 240
Biological model investigation, of addiction, 146
Biomarker for identification of heart failure etiology, 222
identify in plasma of CHF, 3
Bisphosphonates (BPs), effects of calcium associated with ovarian cancer screening procedures, physician non-professional experience with, 438
Bisphosphonates (BPs), effects of cancer chemotherapy, 12
Bone scan overuse in the staging of prostate cancer, 15
Boy Scout troop, raising awareness of tick bites and tick-borne infections in, 444
Brachial artery, effects of ischemic conditioning and altitude on, FMD of, 155
Brachial plexus birth palsy (BPBP), biceps brachii long head overactivity associated with elbow flexion contracture in children with, 200
Brain injury, use of diffusion tensor imaging in evaluation of, 28
Brain MRI findings in patients with SLOS, correlations with clinical and biochemical parameters, 74
Brain MRS findings in patients with SLOS, correlations with clinical and biochemical parameters, 74
Breast cancer metastasis detection of inflammatory biomarkers in the blood of patients with, 103
surviving as potential sensor of oxidative stress in human, 98
treatment, acute myeloid leukemia outcomes following, 341
Brighter smiles Africa, key elements for global health education electives, 216
growth in rural Ugandan children compared to WHO standards, 214
Broader autism phenotype (BAP), verbal language use in individuals and their family members, 6, 26
Brucella pathogenesis, BOPA in, 273
Brugada syndrome, chest pain and ST elevation, 227
Buffalo, Wyoming, adolescent sports participation to prevent use of tobacco in, 201
Buprenorphine therapy, for opioid addiction in rural Washington, 437
Butte, role of pastoral care in, depression of youth in, 53

C

Ca2+ spark events, ontogeny and high altitude influence, in sheep pulmonary arterial myocytes, 154
Caffeine induced inflammation and alveolar hypoplasia, in hyperoxia-exposed newborn mice, role of, 391
Calcineurin inhibitors (CNI), long-term benefit of renal sparing protocols demonstrate the need for, 41
Calcium/calmodulin-dependent protein kinase 2 (CaMK2), as a potential mediator of betamethasone-induced fetal lung maturation, 126
Canadian plastic surgeons, factors influencing the type of cosmetic plastic surgery established by, 172
Cancer associated with ovarian cancer screening procedures, physician non-professional experience with, 438
Cannabinoid regulation of proopiomelanocortin neuronal activity, role of estrogen receptor in inhibitory effect of estrogen on, 403
α-Carboxyethyl hydroxychromans concentration in fetal circulation and α-Tocopherol concentration in maternal circulation, vitamin E intake, 291
Carcinoembryonic antigen cell adhesion molecule 6 (CEACAM6) expression, in injured CEABAC transgenic mice, 392
Cardiac device extraction procedures, incidence of cardiac device infection in patients undergoing, 224
Cardiac index (CI) marker, for poor outcome long term after heart transplantation, 440
Cardiomyopathy, effect of radiofrequency ablation of ventricular tachycardia on ejection fraction in patients with, 47
Cardiomyopathy factors, Duchenne muscular dystrophy (DMD) in, 225
Cardiomyopathy bypass (CPB), relationship of esophageal mucosal ST2 to gastrointestinal function in adults requiring, 176
Cardiovascular activity, subclinical mood and stress symptoms correlated with reduced, 399
Cardiovascular (CV), examine the prevalence of METS and to determine the impact of METS on, 45
Caregiver stress, examination of baseline attention deficit/hyperactivity disorder (ADHD) comorbidities and their association with, 29
Carotid vascular resistance, Nitrite infusion, 172
Cartilaginous endplate in infant spine, 374
Cartilage histology, 374
correlations with clinical and biochemical parameters, 225
Calcium/calmodulin-dependent protein kinase (CaMK2), as a potential mediator of betamethasone-induced fetal lung maturation, 126
Calcineurin inhibitors (CNI), long-term benefit of renal sparing protocols demonstrate the need for, 41
Calcium/calmodulin-dependent protein kinase 2 (CaMK2), as a potential mediator of betamethasone-induced fetal lung maturation, 126
Canadian plastic surgeons, factors influencing the type of cosmetic plastic surgery established by, 172
Cancer associated with ovarian cancer screening procedures, physician non-professional experience with, 438
Cannabinoid regulation of proopiomelanocortin neuronal activity, role of estrogen receptor in inhibitory effect of estrogen on, 403
α-Carboxyethyl hydroxychromans concentration in fetal circulation and α-Tocopherol concentration in maternal circulation, vitamin E intake, 291
Cardiac device extraction procedures, incidence of cardiac device infection in patients undergoing, 224
Cardiac index (CI) marker, for poor outcome long term after heart transplantation, 440
Cardiomyopathy, effect of radiofrequency ablation of ventricular tachycardia on ejection fraction in patients with, 47
Cardiomyopathy factors, Duchenne muscular dystrophy (DMD) in, 225
Cardiomyopathy bypass (CPB), relationship of esophageal mucosal ST2 to gastrointestinal function in adults requiring, 176
Cardiovascular activity, subclinical mood and stress symptoms correlated with reduced, 399
Cardiovascular (CV), examine the prevalence of METS and to determine the impact of METS on, 45
Caregiver stress, examination of baseline attention deficit/hyperactivity disorder (ADHD) comorbidities and their association with, 29
Carotid vascular resistance, Nitrite infusion, 172
Cartilaginous endplate in infant spine, 374
Cartilage histology, 374
correlations with clinical and biochemical parameters, 225
Darboepoetin, effects of, on growth and differentiation of cultured human fetal myocytes, effects of, 374
30 Day mortality, and acute readmission following percutaneous coronary intervention in a community setting, 44
Dayton, suicide prevention of adolescents in Washington, 57
De Barys syndrome, etiology of, 82
Defensins expression in esophagitis, measurement of, 238
Dementia, horticultural therapy for persons with, 429
Dendritic cell vaccine immunotherapy for glioblastoma patients, frequency and activation status of peripheral blood lymphocyte (PBL) population in, 400
Dental clinic education, hygiene in older children in Centralia, 56
Dental health education in Philippines, debty-based, 182
Depression examination of baseline attention deficit/hyperactivity disorder (ADHD) comorbidities and their association with, 29
role of pastoral care of youth in Butte, 53
severity measurement, in patients with epilepsy, 148
Developmental massage therapy (DMT), promotes parasympathetic nervous system activity in preterm infants, 135
Diabetes in Hispanic community of Brewster, diabetic foot checks and education in, 434
in urban American Indian population of Seattle, peer-support in the management of, 432
Diarrhea and dehydration in rural Mongolia, Treatment and prevention of, 185
Diabetes mellitus, prevention and treatment of, 472
Diet-induced obesity, rapamycin administration of, 238
Diabetes, Early intervention (EI)

Docetaxel, identify ethnic differences between Hispanics (H), Whites (NHW), and Native Americans (NA) with Castration Resistant Prostate Cancer (CRPC) in response to, 105

Dopamine use in hypotensive preterm infants, cerebral hemodynamics and blood pressure changes in, 299
Drug and alcohol abusers, creation of a support group for families of, 193
Drug eluting stents (DES) effective and safe outcomes for intermediate risk patients undergoing PCI with, 226
zotarolimus vs. 1st generation, in high risk patients with left main coronary artery disease, 223

Duchenne muscular dystrophy (DMD), cardiomyopathy factors in, 225

Duplicate genetic testing, in an integrated healthcare system, 81
Duplicated renal collecting systems (DRCs), predictors of complications in children with, 427

Durable host T cell functional deficits and prevention of marrow allograft rejection, pentostatin plus cyclophosphamide induced, 100

Early intervention (EI) HRIF is to identify children with developmental delays and refer them to, 27
services have been shown to be effective resources for young children, 34
East Los Angeles, factors affecting perceived health of Latina caregivers in, 187
Echocardiography, vs. cardiac output measurements, 132
EGFR, slug miRNA is highly expressed in squamous lung carcinoma and associated with expressions of, 102
Ehlers-Danlos Syndromes (EDS) periodontitis type VIII, delineation in a 4-generation pedigree, 78
type IV, compartment syndrome, 79

Ejection fraction (EF), effect of radiofrequency ablation (RFA) for, 47
Elbow flexion contracture in children with PPB, biceps brachii long head overactivity associated with, 200
Elderly suicide risk in Sandpoint, Idaho, raising awareness of, 428
Electrical cardiometry (EC), vs. cardiac output measurements, 132
Electromechanical coupling of sheep pulmonary arteries, role of rho-kinase in, postnatal maturation decreases, 162

Exhaled breath condensates (EBC) in asthma and COPD, metabolic analysis of, 416
Exhaled breath fluid of premature neonates, protein and cation concentrations in, 389
Exhaled nitric oxide (eNO) in asthma control assessment, 408
as a surrogate for airways hyperresponsiveness, evaluation of, 449

Epoetin in, effects of, on growth and differentiation of cultured human fetal cardiac myocytes, 374
Escherichia coli, suppurative thyroiditis caused by, 61

Esophageal mucosal StO2, gastrointestinal function, in adults requiring CPB, 176
Esophagitis, role of antimicrobial peptides in, 238

Epinephrine response enhancement, in hypoglycemia counterregulatory failure, inhibition of astrocyte GLT-1 in ventromedial hypothalamus, 147
Erythropaetin (Epo), effects of, on growth and differentiation of cultured human fetal cardiac myocytes, 374

Escherichia coli, suppurative thyroiditis caused by, 61

Esophageal mucosal StO2, gastrointestinal function, in adults requiring CPB, 176
Esophagitis, role of antimicrobial peptides in, 238

Epinephrine response enhancement, in hypoglycemia counterregulatory failure, inhibition of astrocyte GLT-1 in ventromedial hypothalamus, 147
Erythropaetin (Epo), effects of, on growth and differentiation of cultured human fetal cardiac myocytes, 374

Escherichia coli, suppurative thyroiditis caused by, 61

Esophageal mucosal StO2, gastrointestinal function, in adults requiring CPB, 176
Esophagitis, role of antimicrobial peptides in, 238

Epinephrine response enhancement, in hypoglycemia counterregulatory failure, inhibition of astrocyte GLT-1 in ventromedial hypothalamus, 147
Erythropaetin (Epo), effects of, on growth and differentiation of cultured human fetal cardiac myocytes, 374

Escherichia coli, suppurative thyroiditis caused by, 61

Esophageal mucosal StO2, gastrointestinal function, in adults requiring CPB, 176
Esophagitis, role of antimicrobial peptides in, 238

Epinephrine response enhancement, in hypoglycemia counterregulatory failure, inhibition of astrocyte GLT-1 in ventromedial hypothalamus, 147
Erythropaetin (Epo), effects of, on growth and differentiation of cultured human fetal cardiac myocytes, 374
Extremely low birth weight infants (ELBW), cerebral and renal responses comparison to oxygen desaturation, 141
Extremely low birthweight (ELBW) newborns, late surfactant increases surfactant protein (SP) levels in, 125 newborns, NOx and cGMP in urine of a new cohort of, 123

**F**

Factor VIII (FVIII:C) levels change with age, in mild hemophilia individuals, 318 Familial idiopathic scoliosis, investigation of metalloporphyrin-treated newborn mice, 137 Farmers’ market, for childhood obesity in Gillette, Wyoming, development of, 51 Farnesyltransferase (Ftase) inhibition with FTI-277 attenuates allergic airway inflammation, 411 Fatty acid synthase (FAS), protective effect/testosterone against high fat diet induced non-alcoholic fatty liver disease, 109 Fasting ED prescriptions, pharmacy wait time and subsequent health care utilization, 90 FcgRIIIB variants with malarial anemia and cytokine production in sub-Saharan African children, association of, 268 Fetal amino acid infusion, effects of, oxygenation and acid-base balance in fetal sheep, 293 Fetal cardiac myocytes, effects of erythropoietin and darbepoetin on growth and differentiation of cultured, 375 Fetal cell cultures, maintenance of phenotype over serial passages in, 309 Fetal lung growth and differentiation, thirdhand smoke adversely affects, 21, 127 Fetuses, mRNA expression of glucose transporter in placentas of growth-restricted, 207 Fibrous dysplasia, surgical management of, case report, 330 Flow mediated dilation (FMD) of brachial artery, effects of ischemic conditioning and altitude on, 155 Fluorescent light exposure, on metalloporphyrin-treated newborn mice, 137 Formulary restriction, clinical outcomes and perioperative costs in healthy infants born between 37 and 42 weeks, 31 Gestational diabetes mellitus, postpartum testing of, in Othello, WA, 192 Ghana, socioeconomic status delays pediatric malaria treatment in, 186 Gherlin administration, for reduction of hypothermic ischemia/reperfusion, 422 Gillette, development of farmers’ market for childhood obesity in Wyoming, 51 Glia, mechanical ventilation of preterm lambs leads to more apoptosis and less proliferation of, 128 Glia, prolonged MV increases apoptosis and decreases proliferation, 2 Glioblastoma patients undergoing dendritic cell vaccine immunotherapy, frequency and activation status of peripheral blood lymphocyte (PBL) population in, 400 Global health education electives, key elements for, lessons from Brighter Smiles Africa, 216 Glucose stimulated insulin secretion (GSIS) in ovine fetus, role of fetal amino acid supply in increasing, 290 prolonged hypoglycemia in reduction of, 292 Glucose transporter mRNA expression, in placentas of growth-restricted fetuses, 207 Glycemic load (GL) diet, investigated the effect of low vs. high experimental diets on satiety, 30 GnrH, elicited increase in intracellular Ca2+ of the cellular event underlying GnrH mediated LH secretion, 10 GnrH mediated increase in intracellular Ca2+, extracellular (E2) attenuates the, 65 Growth comparison, in rural Ugandan children to WHO standards, 214 Growth-restricted fetuses, mRNA expression of glucose transporter in placentas of, 207 Hand-assisted laparoscopic donor nephrectomy, effect of kidney rest elevation on postoperative creatinine kinase levels in, 164 Handwashing and household water purification, reducing typhoid infections in Antsirabe, Madagascar through, 180 Harrison’s thoracic groove in congenital rickets, case report, 301 Head and neck squamous cell carcinoma (HNSCC), inflammatory mediators regulate IMP-3 expression in, 104 Heat awareness and physical activity in children, Seattle WA, 54 Health literacy rates, English speaking and Spanish speaking parents of hospitalized children, 215 Healthcare careers, evaluation of barriers among high school students in choosing, 50 Healthy lifestyle intervention, educating fifth and sixth grade students with, for healthy lifestyle, 58 Healthy lifestyle intervention, educating fifth and sixth grade students with the health4life program, 58 Heart failure etiology, identification of a novel biomarker, 3, 222 Heart failure (HF) patient hospital readmissions, impact of medications on, 445 Heart transplant, gender mismatch increase the risk of antibody-mediated rejection, 42 Heart transplant recipients, impact of blood pressure control toward the outcome of, 39 Heart transplantation, lower cardiac index (CI) marker for poor outcome long term after, 440 Heart transplantation, risk of blood transfusions in patients awaiting, 38 Heme oxygenase-1 (HO-1) deficiency, study on placental vasculature formation and embryonic development, 284 Heme oxygenase-1, expression, metalloporphyrins induced, 384 a murine model of early necrotizing enterocolitis, 138 by, 221 Heme oxygenase activity in 3-day-old mice, inhibitory potency of low doses of zinc deuteroporphyrin bis glycol (ZnBG) on, 295 Hemodialysis patients, hospitalizations in elderly, 506 Heparan mimics in blocking the HSV-1 infection, 18 role in blocking of herpes simplex virus (HSV) glycoprotein induced cell fusion and viral spread, 267 Hepatic hemangioma in neonate, spontaneous rupture of, case report, 241 Hepatic steatosis in Wilson disease (WD), abnormal methionine metabolism in pathogenesis of, 235 Hepatitis C progression following orthotopic liver transplantation, effect of sirolimus therapy on, 417 Hepatocellular carcinoma (HCC), pre-liver transplant therapies for, 418 HepG2 cells bioassay of insulin bioactivity using, 371 synergistic effect of fructose and insulin on glucose metabolism in, 117 Herpes simplex virus (HSV) glycoprotein induced cell fusion and viral spread, role of heparan mimics in inhibition of, 18, 267 High fat diet (HFD) induced hepatic and muscle steatosis in mice, effects of nicotine on, 365 with infant follow-up (HRIF), is to identify children with developmental delays and refer them to EI, 27

**G**

Gambling disorders, transparency of reports on, 95 Gastrointestinal function, in adults requiring CPB, relationship of esophageal mucosal StO2 to, 176 Gastrointestinal venous vascular malformation, 331 Gaucher disease, enhanced leukocyte chemotaxis into serum from a mouse model of, 315 Gender-based violence in Afghanistan, health needs and healthcare experiences among, 246 Gender-specific photonicumeric scale, for assessment of periorial wrinkles, 332 Generalized arterial calcification, and osteogenesis imperfecta, of infancy, 77 Genetic testing, duplicate, in an integrated healthcare system, 81 Germline HRAS G12V mutation in Costello syndrome, reduced MRNA expression associated with dinucleotide substitution, 275 Gestational age (GA), is associated with mental and psychomotor development scores in healthy infants born between 37 and 42 weeks, 31 Gestational diabetes mellitus, postpartum testing of, in Othello, WA, 192 Ghana, socioeconomic status delays pediatric malaria treatment in, 186 Gluernin administration, for reduction of myocardial injury associated with hypothermic ischemia/reperfusion, 422 Gillette, development of farmers’ market for childhood obesity in Wyoming, 51 Glia, mechanical ventilation of preterm lambs leads to more apoptosis and less proliferation of, 128 Glia, prolonged MV increases apoptosis and decreases proliferation, 2 Glioblastoma patients undergoing dendritic cell vaccine immunotherapy, frequency and activation status of peripheral blood lymphocyte (PBL) population in, 400 Global health education electives, key elements for, lessons from Brighter Smiles Africa, 216 Glucose stimulated insulin secretion (GSIS) in ovine fetus, role of fetal amino acid supply in increasing, 290 prolonged hypoglycemia in reduction of, 292 Glucose transporter mRNA expression, in placentas of growth-restricted fetuses, 207 Glycemic load (GL) diet, investigated the effect of low vs. high experimental diets on satiety, 30 GnrH, elicited increase in intracellular Ca2+ of the cellular event underlying GnrH mediated LH secretion, 10 GnrH mediated increase in intracellular Ca2+, extracellular (E2) attenuates the, 65 Growth comparison, in rural Ugandan children to WHO standards, 214 Growth-restricted fetuses, mRNA expression of glucose transporter in placentas of, 207 Hand-assisted laparoscopic donor nephrectomy, effect of kidney rest elevation on postoperative creatinine kinase levels in, 164 Handwashing and household water purification, reducing typhoid infections in Antsirabe, Madagascar through, 180 Harrison’s thoracic groove in congenital rickets, case report, 301 Head and neck squamous cell carcinoma (HNSCC), inflammatory mediators regulate IMP-3 expression in, 104 Heat awareness and physical activity in children, Seattle WA, 54 Health literacy rates, English speaking and Spanish speaking parents of hospitalized children, 215 Healthcare careers, evaluation of barriers among high school students in choosing, 50 Healthy lifestyle intervention, educating fifth and sixth grade students with, for healthy lifestyle, 58 Healthy lifestyle intervention, educating fifth and sixth grade students with the health4life program, 58 Heart failure etiology, identification of a novel biomarker, 3, 222 Heart failure (HF) patient hospital readmissions, impact of medications on, 445 Heart transplant, gender mismatch increase the risk of antibody-mediated rejection, 42 Heart transplant recipients, impact of blood pressure control toward the outcome of, 39 Heart transplantation, lower cardiac index (CI) marker for poor outcome long term after, 440 Heart transplantation, risk of blood transfusions in patients awaiting, 38 Heme oxygenase-1 (HO-1) deficiency, study on placental vasculature formation and embryonic development, 284 Heme oxygenase-1, expression, metalloporphyrins induced, 384 a murine model of early necrotizing enterocolitis, 138 by, 221 Heme oxygenase activity in 3-day-old mice, inhibitory potency of low doses of zinc deuteroporphyrin bis glycol (ZnBG) on, 295 Hemodialysis patients, hospitalizations in elderly, 506 Heparan mimics in blocking the HSV-1 infection, 18 role in blocking of herpes simplex virus (HSV) glycoprotein induced cell fusion and viral spread, 267 Hepatic hemangioma in neonate, spontaneous rupture of, case report, 241 Hepatic steatosis in Wilson disease (WD), abnormal methionine metabolism in pathogenesis of, 235 Hepatitis C progression following orthotopic liver transplantation, effect of sirolimus therapy on, 417 Hepatocellular carcinoma (HCC), pre-liver transplant therapies for, 418 HepG2 cells bioassay of insulin bioactivity using, 371 synergistic effect of fructose and insulin on glucose metabolism in, 117 Herpes simplex virus (HSV) glycoprotein induced cell fusion and viral spread, role of heparan mimics in inhibition of, 18, 267 High fat diet (HFD) induced hepatic and muscle steatosis in mice, effects of nicotine on, 365 with infant follow-up (HRIF), is to identify children with developmental delays and refer them to EI, 27

228 © 2011 The American Federation for Medical Research
Hippocampal development, effects of maternal tobacco smoke exposure (MTSE) in gene knockout models, 294
Hippocampal ER mRNA expression, UPI and MTSE causing IUGR, 1
Hippocampal estrogen receptor, effects of IUGR by either UPI or MTSE, 1
Homocysteine (Hcy), aberrant hepatic methionine metabolism plays a role in the pathogenesis of liver injury by, 11
Hormone sensitive lipase (HSL), protective effect/testosterone against high fat diet induced non-alcoholic fatty liver disease, 109
Horticultural therapy for dementia persons, 429
Hospital admission of patients with congestive heart failure, variables associated with, 89
Hospitalizations in hemodialysis (HD) patients, 306
House of charity (HOC) outreach clinic in Spokane, Washington, 189
HSV-3-0-sulfated heparan sulfate (3-OS HS), physiological significance of cell-to-cell fusion, 18
Human airway epithelium, simvastatin inhibits expression of Cox2 in, 158
Human leukocytes, estrogen and progesterone in regulation of interferon alpha signaling in, 255
Human mesenchymal stem cells (hMSCs) BMP-2 and apatite coated scaffolds on the osteogenic differentiation of, 166
3-Hydroxyisobutyric aciduria, Pearson syndrome in children, 279
3-hydroxyproline (3Hyp), expression levels of the three P3H enzymes-P3H1, P3H2 and P3H3-in a cell line, 20
25-Hydroxyvitamin D levels in trained and untrained premenopausal women, effect of a one-hour aerobic run on, 71
Hygiene, education on oral, in older children in Centralla, 56
Hyperglycemia, insulin resistance in adolescents with type 1 diabetes: role of, 115
Hyper-immunoglobulin E (IgE) syndrome (HIES), investigation of STAT3-dependent neutrophil migration in, 354
Hyperoxia-exposed newborn mice, role of caffeine induced inflammation and alveolar cell differentiation in, 385
Hypertension patient education websites, evaluating design elements in commonly visited, 243
Hypoglycemia-associated autonomic failure (HAAF), astrocyte GLT-1 inhibition in venousmedial hypoplasamus, epinephrine response enhancement, 147
Hyponatremia, saline infusion in, rise in serum sodium concentration after, 308
Hypotensive preterm infants, dopamine
Hyperthermic ischemia/reperfusion with myocardial injury, ghrelin administration for reduction of, 422
Hypoxia-ischemia, surgery duration versus brain injury, in neonatal rat model, 145
Hypoxia/ischemia encephalopathy (HIE), risk factors for epilepsy in term infants with, 13, 140
Hypoxic-ischemia, surgery duration versus brain injury, in neonatal rat model, 145
Hypoxia-induced increase in, 239
ICE, and HA on FMD, 155
Idiopathic intracranial hypertension (IIH), incidence of failure in lumbarperitoneal and ventriculoperitoneal shunts for treatment of, 327
IGF-1 INTRON 2 STAT5B enhancer site at onset of adolescence, DNA CpG demethylation at, 80
IL-33-mediated cisplatin-induced AKI, expression on CD4 T cell-mediated production of CXCL1, 302
IM cobinamide formulations, rabbit model of lethal level cyanide poisoning, 161
Immunization, improvement in the community of Shoshone, Idaho, 195
Immunohistochemistry colorectal cancer, Lynch syndrome screening, 86
development and optimization of ZnT8 monoclonal antibodies for use in, 67
Infants
development environment, and lifestyle (IDEAL) study, neurobehavioral effects of prenatal MA exposure, 300
diabetic mothers (IDM), prolonged neonatal intensive care unit stay for, 297
generalized arterial calcification and osteogenesis imperfecta of, 77
hypoxic ischemic encephalopathy (HIE), risk factors for epilepsy, 140
lab based test of the Period of PURPLE Crying DVD, in reducing maternal frustration to crying, 55
prevention of postpartum smoking replace in mothers to prevent exposure to second-hand smoke in, 52
Infectious disease, management of, in Uganda, reducing child mortality through integration of Vitamin A supplementation, 181
Inflammatory biomarkers, in the blood of patients with breast cancer metastasis, 103
Inflammatory bowel diseases (IBD) in urban pediatric gastroenterology clinic in the Southwestern United States, prevalence of, 236
Inflammatory mediators, regulate IMP-3 expression with, 287
Inguinodynia, retroperitoneal anatomy of
Integrative interdisciplinary oncology clerkship development, 340
Integron alpha signaling in human leukocytes, estrogen and progesterone in regulation of, 255
Interferon alpha (IFN-α) signaling, regulation by estrogen and progesterone of, 17
Interleukin-1 beta (IL-1β) induced increase in intestinal epithelial tight junction permeability, role of p38 mitogen activated protein kinase on, 234
Interleukin-6, in increasing intestinal epithelial small molecule permeability through increased claudin-2 expression, role of, 232
International elective for pediatric residents, development of, 452
International health work, knowledge gain of students from, 184
Intestinal long arm deletion of chromosome 4q13.3-q21.1, phenotype associated with, 287
Intracellular germ cell necrosis, pediatric, 211
Intrauterine growth restriction (IUGR) in alteration of hepatic steroid-responsive element binding protein 1a and 2 (SREBP1a, 2), 286
alters expression of PPARy co-repressors, 378
alters hepatic mRNA levels of HMGAI, RBP4, and INSIR, 370
alters mRNA levels of cholinergic and gabaergic receptors in cardiac gene mRNA level alteration, 387
decreased pulmonary vessel density and artery endothelial cell function in fetal sheep with, 386
increased MeCP2 mRNA levels and calponin abundance in neonatal hypoxia, 387
Intracranial germ cell neoplasia, pediatric, 211
Intrathecal growth restriction (IUGR) in alteration of hepatic steroid-responsive element binding protein 1a and 2 (SREBP1a, 2), 286
by UPI and MTSE causes gender-specific changes in mRNA expression of hippocampal estrogen receptor, 1 uteroplacental insufficiency (UPI) and maternal tobacco smoking exposure (MTSE) on hippocampal expression of ERs

Intravascular ultrasound (IVUS), guidance combined with DES will affect outcomes in high risk patients undergoing PCI UPLM, 226

Intravenous immunoglobulin for biliary atresia, 230

Lights, camera, surgery (LCS), instructional videos for teaching basic surgical procedures, 173

Lipid droplets (LDs), coordinately stimulate surfactant phospholipid and protein, 124

Lipofibroblasts, IgG depleted, actively recruit and store and release retinoic acid in response to PGE2, 121

Matrix metalloproteinase-9 downregulation, in mouse model of type 2 diabetes, 19, 361

Lipofibroblast, lipid droplet trafficking, 227

Lipid droplets (LDs), coordinately stimulate surfactant phospholipid and protein, 124

Macrolide resistant Treponema pallidum, prevalence of mutation in, 274

Magnetic resonance diffusion tensor imaging (DTI), amyloid beta injection in axonal terminal sites results in mouse optic tract degeneration, 142

Magnetic resonance imaging (MRI), to assess cerebral injury and predict neurodevelopmental outcomes in infants born with CDH, 139

Magnetic resonance spectroscopy (MRS), measurement of long-chain fatty acyl-CoA (FACoA) in human brain using, 372

Malignant anemia and cytokine production in sub-Saharan African children, association of FcgRIIB variants with, 208

Malformations of cortical development (MCDs), multimodality imaging of, 398

Mammalian target of rapamycin (mTOR) oral administration of rapamycin, a potent and specific inhibitor of, 110

reduce insulin resistance and improve adipose tissue macrophage accumulation, 4

Maternal and community risk factors and asthma, in maltreated children placed in foster care, 210

Maternal cigarette smoking (MCS), effect on fetal growth and maternal weight gain than nicotine alone, 285

Maternal food restriction (MFR), effect of, on lung elastin gene expression, 395

Maternal frustration to infant crying, Period of PURPLE Crying DVD in reducing, 55

Maternal innate immune response, suprarenal Group A streptococcus (GAS) sepsis in association with, 269

Maternal tobacco smoke exposure (MTSE) in alteration of hepatic sterol-responsiveness element binding protein 1a and 2 (SREBP1a, 2), 286

decrease mRNA and protein levels of SREBP2 and PPARγ isofoms in rat lung at birth, 376

in expression of genes involved in hippocampal development, effects of, 385

on hippocampal expression of ERs, intrauterine growth restriction (IUGR) by, 381

during pregnancy decreases rat hepatic IGF-1 mRNA variant levels, 382

Maternal tobacco smoking exposure (MTSE), on hippocampal expression of ERs, 1

Matrix metalloproteinase-9 downregulation, in mouse model of type 2 diabetes, 361

Me Cune Albright syndrome, atypical case of, 63

McCul, bicycle and ATV helmet safety in Idaho, 206

Measles vaccination refusal, in Ukrainian community of Moses Lake, 441

Mechanical ventilation (MV), of preterm lambs ventilated 3 days and weaned from ventilation, 205

Mechanical ventilation, liver IGF-1 expression, of preterm lambs ventilated 3 days and weaned from ventilation, 205

Liver development disruption, vitamin D receptor deletion, 157

Liver elastin gene expression, incidence of failure in, 327

idiopathic intracranial hypertension (IIH), 190

lymphocytes, epigenetic regulation of, 351

travel distance to a free clinic in, 190

feasibility and effectiveness of, 177

in expression of genes involved in hippocampal development, effects of, 385

on hippocampal expression of ERs, intrauterine growth restriction (IUGR) by, 381

during pregnancy decreases rat hepatic IGF-1 mRNA variant levels, 382

Mechanical ventilation (MV), of preterm lambs leads to more apoptosis and less proliferation of neurons and glia, 2

Mechanical ventilation, liver IGF-1 expression of preterm lambs ventilated 3 days and weaned from, 205

Mechanical ventilation (MV), of preterm lambs leads to more apoptosis and less proliferation of neurons and glia, 128

Mechanical-tactile stimulation (MTS) during neonatal stress decrease visceral adipose tissue and hyperinsulinemia in adult rat, 380

during neonatal stress in reduction of VAT depot mRNA expression of TNP-α and IL-6, 380

Mechonium aspiration, sildenafil use in neonates with, 396
Medical clinic for the homeless in Spokane, Washington, 189
Medical school undergraduate education on ARS in the University of British Columbia, 60
Melanoma patient, quality assessment of internet-based information resources of, 343
Mesenchymal-specific deletion of ACP, in disruption of parabronchial and perivascular smooth muscle cells differentiation, 373
Metabolic syndrome (MetS) on cardiovascular and mental diseases in a VA population, 45
low vitamin D levels in Northern American adults with, 107
in a male veteran cigarette smoking population, 107
Metalloporphyrins effect of fluorescent light exposure on, 137
induced heme oxygenase-1 expression and regulatory mechanisms of, 384
Metal-on-metal hips, lymphocyte profiles from soft tissues of, 261
Methamphetamine (MA) use among pregnant women, neonatal and infant neurobehavioral outcomes, 300
Methotrexate-resistant staphylococcus aureus infection, effectiveness of routine screening of, 271
MGMT associated with myelosuppression, on therapy with temozolomide, 152
myelosuppression and associated biochemical activity of, following therapy with temozolomide, 152
Microdeletions 19p13.13 and NF1X gene loss, in overgrowth, macrocephaly, developmental disability syndrome, 280
Middle cerebral artery resistance in systemic lupus erythematosus (SLE), 360
Mild hemophilia, changes in baseline factor VIII (FVIII:C) levels with age in a cohort of individuals with, 318
Minimal residual disease in pediatric acute lymphoblastic leukemia, assessment of, 345
Minority youth, in healthcare careers, identifying factors in under-representation of, 345
Mitochondrial DNA in pediatric acute lymphoblastic leukemia, assessment of, 345
Mitochondrial pathology on muscle biopsy, in Angelman syndrome, 278
Mixed gonadal dysgenesis with karyotype, laproscopic management for, case report, 328
Mongolia, treatment and prevention of diarrhea and dehydration in rural, 185
Montana, role of pastoral care in, 45
Montpelier, ID, physical fitness programs for senior adults in, 188
Mood symptoms with reduced cardiovascular activity, correlation of, 399
Moyamoya's pentachrome staining for lipid accumulation and lesion size detection, 369
MRI, characteristics in SLOS, correlations with clinical and biochemical parameters, 74
mRNA expression, of glucose transporter in placentas of growth-restricted fetuses, 207
MRS, changes in, correlations with clinical and biochemical parameters, 74
Mucopolysaccharidosis type IIIB (MPS IIIB) fibroblasts insulin-like growth factor II peptide fusion enables uptake of NAGLU into, 73
is a lysosomal storage disorder characterized by deficiency of NAGLU, 14
Multiattribute utility theory, in selection of radiation therapy treatment, 251
Multiple autoimmune disorders, in type 1 diabetes, 68
Multiple pool kinetic studies, chronic cunnulation method of rat thoracic duct for, 321
Mycobacterium smegmatis, small platelet cationic peptides with microbicidal activity against, 446
Myelosuppression, and associated biochemical activity of MGMT on therapy with temozolomide, 152
Myocardial injury associated with hypothermic ischemia/reperfusion, ghrelin administration for reduction of, 422
Myofibroblastic tumors in airway, autofluorescence bronchoscopy (AFB) in evaluation and treatment of, case report, 457
Mysin light chain kinase (MLCK), role in regulation of intestinal epithelial TJ barrier function, 233
Myocytes, effect of 1.25-D3-the active form of VD-at the molecular level on myoblast cell proliferation, progression and differentiation into, 12

N

α-N-acetyl-glucosaminidase (NAGLU), MPS IIIB is a lysosomal storage disorder characterized by deficiency of, 14
Necrotizing enterocolitis (NEC), role of heme oxygenase in a murine model of, 138
Necrotizing tracheobronchitis, role of community-acquired MRSA (CA-MRSA) infections in causing, case report, 458
Needle disinfection techniques within the Butte IDU community, raising awareness of, 430
Negative pressure wound therapy (NPWT), on closed surgical incisions, 326
Neonatal death in rural Tibet, use of verbal Newborn screening (NBS), clinical outcomes of children with defects of vitamin B12 metabolism, 72
N-glycosyltransferase, chemoenzymatic synthesis of, 344
Nicotine, effects of, on HFD-induced hepatic steatosis and skeletal muscle abnormalities in obese mice, 365
Nitrite infusion, at physiologic concentrations reduces carotid vascular resistance in fetal sheep, 119
NO mediated regulation of CREB expression, 364
Non-alcoholic fatty liver disease, protective effect or testosterone against high fat diet induced, 109
Non-fatal major adverse cardiac events (NF-MACE), induction immunosuppression therapy vs. non-induction immunosuppression therapy, 37
Non-human sialic acid, chemoenzymatic synthesis of, 344
Non-myleolobative regimens, pentostatin plus cyclophosphamide, modulate host immunity prior to transplantation, 100
Non-small cell lung cancer (NSCLC), Slug mRNA, is highly expressed in squamous lung carcinoma and associated with expressions of EGFR and ZEB1 in patients with, 102
Northern American adults with metabolic syndrome, low vitamin D levels in, 70
Nutrition education, Bhutanese Nepali refugee community of twin falls, 178

O

Obesity childhood, development of farmers’ market in Gillette, Wyoming for, 51
identification and management of overweight and, in pediatric patients hospitalized in an academic hospital, 220
respiratory symptoms and airflow obstruction, inter-relationships among, 413
Ocular imaging techniques, diagnosis and management of patients with anterior segment pathology by, 170
Neuronal apoptosis, is modulated by estrogen signalling—estrogen is anti-apoptotic in the hippocampus, 1
Neurons mechanical ventilation of preterm lambs leads to more apoptosis and less proliferation of, 128
prolonged MV increases apoptosis and decreases proliferation, 2
Neurophysiology study, cognitive dysfunction in Parkinson's disease, 149
Neutrophils as source of IL-1β producing cells during innate immune response to Staphylococcus aureus cutaneous infection, 266
New Mexico effects on fruit and vegetable consumption among low-income children in, WIC policy change in, 198
survival outcomes of adults with AML, in Native American, Hispanic, and non-Hispanic whites treated in, 96
Newborn screening (NBS), clinical outcomes of children with defects of vitamin B12 metabolism, 72
Neurobehavioral effects of prenatal MA (HIE), development of farmers' market, 51
Neurofibromatosis and EVC, prenatal neurobehavioral effects of prenatal MA, 45
Netrin-1 receptors, in attenuation of acute ischemia/reperfusion, 137
Neoplasia, pediatric intratubular germ cell, 211
Neurofilament light chain, role in synthesis of, 345
Neurofibromatosis type II, role of cutaneous NF-MACE, induction immunosuppression
Neurofibromatosis, macrocephaly, overgrowth, in the University of British Columbia, 60
Neuropeptides, regulatory mechanisms of, 384
Neuroimmunologic effect of fluorescent light exposure on, 137
Neuroimmunologic therapy with temozolomide, 152
Neurological symptoms with reduced cardiovagal function, 233
Neurofibromatosis type II, role of cutaneous NF-MACE, induction immunosuppression
Neuronal apoptosis, is modulated by estrogen signalling—estrogen is anti-apoptotic in the hippocampus, 1
Neurons mechanical ventilation of preterm lambs leads to more apoptosis and less proliferation of, 128
prolonged MV increases apoptosis and decreases proliferation, 2
Neurophysiology study, cognitive dysfunction in Parkinson's disease, 149
Neutrophils as source of IL-1β producing cells during innate immune response to Staphylococcus aureus cutaneous infection, 266
New Mexico effects on fruit and vegetable consumption among low-income children in, WIC policy change in, 198
survival outcomes of adults with AML, in Native American, Hispanic, and non-Hispanic whites treated in, 96
Newborn screening (NBS), clinical outcomes of children with defects of vitamin B12 metabolism, 72
N-glycosyltransferase, chemoenzymatic synthesis of, 344
Nicotine, effects of, on HFD-induced hepatic steatosis and skeletal muscle abnormalities in obese mice, 365
Nitrite infusion, at physiologic concentrations reduces carotid vascular resistance in fetal sheep, 119
NO mediated regulation of CREB expression, 364
Non-alcoholic fatty liver disease, protective effect or testosterone against high fat diet induced, 109
Non-fatal major adverse cardiac events (NF-MACE), induction immunosuppression therapy vs. non-induction immunosuppression therapy, 37
Non-human sialic acid, chemoenzymatic synthesis of, 344
Non-myleolobative regimens, pentostatin plus cyclophosphamide, modulate host immunity prior to transplantation, 100
Non-small cell lung cancer (NSCLC), Slug mRNA, is highly expressed in squamous lung carcinoma and associated with expressions of EGFR and ZEB1 in patients with, 102
Northern American adults with metabolic syndrome, low vitamin D levels in, 70
Nutrition education, Bhutanese Nepali refugee community of twin falls, 178

© 2011 The American Federation for Medical Research

231
Pre-anesthesia telemedicine consultation (PATC), for accurate airway exam information, 168
Prenatal alcohol exposure (PAE), effect of, on ethanol consumption after adolescent experience of trauma, in male C57BL/6J mice, 151
Prenatal dilemma, EVC and neurofibromatosis, 84
Prenatal methamphetamine use, neonatal and infant neurobehavioral outcomes, IDEAL study, 300
Pre-transplant blood transfusion, causing sensitization in patients awaiting heart transplantation, 38
Prince of Wales Island, adolescents reproductive health services in Alaska, 203
Progestosterone, and estrogen of interferon alpha in umbilical vein endothelial cells, 17, 225
Proinflammatory immune response, puerperal Group A streptococcus (GAS) sepsis in association with, 269
Proliferation, and apoptosis of neurons and glia, 2
Prolonged hypoglycemia decreases insulin secretion, not β-cell population in ovine fetuses, 92
Prolyl 3-hydroxylases (P3Hs), collagen substrate specificity of, 20
Pro-myogenic and angiogenic growth factors, vitamin D inhibits proliferation and induces differentiation of C2C12 skeletal myoblast cells by modulating the expression of, 12
Pro-myogenic growth factor expression, role of vitamin D in inhibition of C2C12 skeletal myoblast cells differentiation and proliferation by modulating, 336
Propiomelanocortin neuronal activity, role of estrogen receptor in inhibitory effect of estrogen on cannabinoid regulation of, 403
Prostate cancer bone scan in staging of, 85 utilization and subsequent positivity rates of bone scan imaging in a contemporary Veterans Affairs (VA) cohort of men, 15
Protein expression, lipofibroblast lipid droplet trafficking co-regulates alveolar type II cell (ATII) surfactant phospholipid, 124
Psychiatric diseases, examine the prevalence of METS and to determine the impact of METS on, 45
Psychological counseling, for couples carrying a fetus with heart disease, 32
Psychological insulin resistance, in a low-income ethnic minority population, 111
Psychomotor development scores, in healthy infants born between 37 and 42 weeks, 31
Psychosis, theory of mind in children at risk
Psychomorphic development scores, in healthy infants born between 37 and 42 weeks, 31
Pulmonary artery endothelial cells (PAEC) exposure to fibrinogen, intracellular calcium response to thrombin in, 412
Pulmonary FGF–10 signaling, PPARγ, agonist prosstaglandin J2 blocks hyperoxia-induced decrease in pulmonary FGF–10 signaling, 122
Pulmonary langerhans cell histiocytosis (PLCH), case report, 456
Pulsatility indices in systemic lupus erythematosus (SLE), 360
Pulseless electrical activity (PEA), in King County, WA before and after implementation of AHA, 48
Pulmonary disease, postnatal maturation decreases the role of rho-kinase in electromechanical coupling of sheep, 162
Pulmonary artery endothelial cells (PAEC) exposure to fibrinogen, intracellular calcium response to thrombin in, 412
Pulmonary FGF–10 signaling, PPARγ, agonist prosstaglandin J2 blocks hyperoxia-induced decrease in pulmonary FGF–10 signaling, 122
Pulmonary langerhans cell histiocytosis (PLCH), case report, 456
Pulsatility indices in systemic lupus erythematosus (SLE), 360
Pulseless electrical activity (PEA), in King County, WA before and after implementation of AHA, 48
Pulmonary disease, postnatal maturation decreases the role of rho-kinase in electromechanical coupling of sheep, 162
Rhabdomyolysis, kidney rest elevation, effect on postoperative creatinine kinase (CK) levels and risk for, 164
Rhabdomyosarcoma, targeting FOXM1 transcription factor in, 342
Rho-kinase, in electromechanical coupling of sheep pulmonary arteries, postnatal maturation decreases, 162
Rosiglitazone (RGZ), metabolic profiles of adult rats exposed prenatally to, 120
Rural pediatric asthma, characterizing the triggers of, 199

S
S-adenosylhomocysteine (SAH), aberrant hepatic methionine metabolism plays a role in the pathogenesis of liver injury by, 11
Saline infusion in hyponatremia, rise in serum sodium concentration after, 308
Schoepfella onia, reproducibility of gama-band response of, MEG and EEG of, 150
School children, oral health status of rural Ugandan, enrolled in brighter smiles Africa, 92
Sclerosis-related interstitial lung disease following lung transplant, survival in, 414
Seattle WA, promotion of physical activity and health awareness in children, 54
Sensitization, is the development of circulating antibodies in patients awaiting heart transplantation, 38
Sepsis, sildenafil use in neonates with, 396
Septic shock patients, comparison of prognostic value of tissue oxygen saturation (StO2) after 3-minute with mamilary vascular occlusion test (VOT) in, 252
Serum total IgE estimation in children with persistent asthma, 450
SFI1 gene investigation, in adolescent males with severe familial idiopathic scoliosis, 316
Shelton, Washington, oral health promotion for children’s in, 194
Short lateral tibial plateau length, 420
Shoshone, Idaho, immunization improvement before and after
Short lateral tibial plateau length, 420
Simulated neonatal resuscitation, comparison
Simulated neonatal resuscitation, comparison of umbilical venous and intraosseous access during, 131
Simvastatin, treatment of allergic asthma by, 110
Simvastatin, treatment of allergic asthma by, 110
eotaxins inhibition in mouse and human
Simvastatin, treatment of allergic asthma by, 110
eotaxins inhibition in mouse and human
Simulatin in, treatment of allergic asthma by, cotaxins inhibition in mouse and human
Simulatin in, treatment of allergic asthma by, cotaxins inhibition in mouse and human
Sirolimus (SRL), effect of, on hepatitis C progression following orthotopic liver transplantation, 417
Sitagliptin, versus thiazolidinediones as a third-line oral anti-hyperglycemic agent in type 2 diabetes mellitus, 114
Skeletal muscle abnormalities in mice, effects of nicotine on, 365
Slug mRNA, is highly expressed in squamous lung carcinoma and associated with expressions of EGFR and ZEB1 in patients with NSCLC, 102

© 2011 The American Federation for Medical Research
Small platelet cationic peptides with microbicidal activity against Mycobacterium smegmatis. 446

Small renal masses, percutaneous radio frequency and cryoablation in treatment of, comparison of radiation exposure and cost between, 426

Smith-Lemli-Opitz syndrome (SLOS), brain MRUMRS findings in patients with, correlations with clinical and biochemical parameters, 74

Smith-Lemli-Opitz (SLO) syndrome, case report, 281

Smoking in adolescents girls, prevention of, 213 prevention of postpartum, in mothers to prevent infant exposure to second-hand smoke, 52

Smoking cessation and limiting secondhand smoke exposure in, We, Idaho, education of women on, 435 during pregnancy, motivational programs for, 247

SNP testing for colon cancer, assessing primary care patients interest and attitudes toward, 317

Sociodemographic predictors, assessment of travel distance to a free clinic in Los Angeles by, 190

Socioeconomic status (SES), affects the delay-time before a child with Plasmodium falciparum malaria, 8

Sonography, peroneus longus and brevis tendons, anatomical relationships at rest and under stress, 426

Spermatogenesis, in male hormonal contraceptive trials, influence of ethnic/nativity in suppression and recovery of, 64

Spillover, noninsulin FFA suppression or other factors, 113

Spokane, Washington, medical clinic for the homeless in, 189

Spontaneous lung herniation, cough and chest bulge, case report of, 163

Sports participation of adolescents to prevent use of tobacco in, Buffalo, Wyoming, 201

ST elevation, the brugada alternative, 227

Staphylococcus aureus cutaneous infection, neutrophils as source of IL-1β producing cells during innate immune response to, 266

STAT3-dependent neutrophil migration in Job syndrome, investigation of, 354

Stearoyl-CoA desaturase enzyme 1 (SCD1) inhibition, effects of monounsaturated fatty acids in, 366

Sterol regulatory element-binding protein-1 (SREBP-1), protective effect/testosterone against high fat diet induced non-alcoholic fatty liver disease, 109

Sterol-responsive element binding protein 1a and 2 (SREBP1a, 2), role of maternal tobacco smoke exposure and intrauterine growth restriction alteration of hepatic, 286

Stress symptoms with reduced cardiovasal activity, correlation of, 399

Stroke volume variation vs. central venous oxygen saturation, in intraoperative, non-emergent, surgical setting, 156

Students

T lymphocytes, analysis of temporal protein secretion from, 350

Takotsubo cardiomyopathy, occurring 14 days after cerebral aneurysm rupture, 228

Taybi-Linder syndrome, neurological findings in two siblings with, case report, 283

Telemedicine, pre-anesthesia consultation for accurate airway exam information, 168

Temporal alterations in lesion volume, in rat model of repetitive mild traumatic brain injury, 143

Temporal protein secretion from individual T-lymphocytes, analysis of, 350

Temporary upper arm occlusion, CN level estimation using, 160

Tendon achilles repair using tissue reinforcement scaffold, 423

Tendon repair with varying stitch count in STS and PTW repair methods, failure strength of, 469

Testosterone, deprivation acutely diminishes insulin sensitivity in young, healthy men, 108

TGF-β signal inhibition, curcumin in neonatal lung injury/repair protection by, 393

Theory of mind (ToM), in children at risk for developing psychosis, 35

Thiazolidinediones, versus sitagliptin as a third-line oral anti-hyperglycemic agent in type 2 diabetes mellitus, 114

Thirdhand smoke (THS), adversely affects fetal lung growth and differentiation, 21, 127

Thymoglobin a treatment for acute kidney graft rejection, 22

Treatmen for acute kidney graft rejection, risk factors associated with, 305

Thyroid carcinoma, case report, 454

Tibial shaft fractures, gender differences in nonunion and malunion following treatment for, 323

Tick bites and tick-borne infections in Boy Scout troop, raising awareness of, 444

Tissue reinforcement scaffold, tendon achilles repair using, 423

Tissue specific role, DNA methyltransferase 4 during zebrafish development, 9

α-Tocopherol concentration in maternal circulation and α-carboxyethyl hydroxycarbons concentration in fetal circulation, vitamin E intake, 291

Tooth decay, healthy oral hygiene practices to prevent, in older children in Centralia, 56

Total hip replacement at three affiliated hospitals, variations in quality of care being delivered to patients undergoing, 325

Toxicity cobinamide-based cyanide sensor for detection of cyanide, 159

Temporary arm occlusion reveal level of cyanide, 160

Tract based spatial statistics (TBSS) of ecmo-related neonatal brain injury, 133

Transitional B cells, in normal and autoimmune human peripheral blood, 259

Transplant patient, Aspergillus endocarditis of a renal the left ventricle in, 229

Treatment and prevention of diarrhea and dehydration in rural Mongolia, 185

T-regulatory cell function (Treg), role of Foxp3 in, 257

Treponema pallidum, prevalence of mutation in correlation with molecular strain type, 274

Tuberous sclerosis complex (TSC), clinical features, cellular electrophysiology and microanatomy in pediatric patients with, genotype influences on, 401

Type 1 diabetes, 1.5 anhydroglucitol (Glycomark®) test in, 367

Caloric intake explain the weight-neutral effects of insulin detemir versus insulin glargine in, 112

Multiple autoimmunity disorders in new onset, 68

Type 2 diabetes with diabetic ketoacidosis secondary to insulin antibodies, 116
islet amyloid deposition in, oxidative stress role in, 363
islet matrix metalloproteinase-9 is downregulated in a mouse model of, 19
islets matrix metalloproteinase-9
downregulation in mouse model of, 361
patient compliance in a clinical trial of herbal therapy for, 249
sirtuin versus thiazolidinediones as a third-line oral anti-hyperglycemic agent in, 114
Typhoid infections, in Antsirabe Madagascar, handwashing and household water purification for reducing, 180

V

Vascular occlusion test (VOT) in septic shock patients, comparison of prognostic value of tissue oxygenation saturation (SO2) after 3-minute with mimal, 252
Vascular smooth muscle cell (VSMC), NO mediated regulation of CREB expression in maintenance of, 364
Ventricular tachycardia (VT), effect of radiofrequency ablation (RFA) for, 47
Ventriculoperitoneal stunts for treatment of idiopathic intracranial hypertension (IIH), incidence of failure in, 327
Ventromedial hypothalamus, astrocyte GLT-1 inhibition, epinephrine response enhancement, in hypoglycemia counterregulatory failure, 147
Verbal intelligence quotients (VIQ), a measure of vocabulary and reasoning, were assessed with age-appropriate Wechsler scales, 6, 26
Veterans Affairs (VA), cohort of men with prostate cancer, 15
Village health workers (VHW) training program in rural Uganda, 179
Violence, curriculum to produce youth peer-advocates for victims of, 202
Visceral adipose tissue, role of mechanical-tactile stimulation (MTS) during neonatal stress in decreasing, 380
Vitamin A supplementation, reducing child mortality in Uganda through the integration of, 181
Vitamin B12 metabolism, clinical outcomes of children identified by NBS with defects of, 72
Vitamin D C2C12 skeletal myoblast cells by modulating the expression of pro-myogenic and angiogenic growth factors, 12
deficiency in critically ill patients, impact of, 407
in enhancement of cardiac differentiation by modulating the expression of Wnt signaling, 303
inhibition of C2C12 skeletal myoblast cell differentiation and proliferation by modulating pro-myogenic and angiogenic growth factors, 336
levels in trained and untrained premenopausal women, effect of a one-hour aerobic run on 25-OH, 71
low levels in Northern American adults with metabolic syndrome, 70
Vitamin D receptor, deletion on key markers of lung maturation, 157
Vitamin E intake, higher α-tocopherol concentration in the maternal circulation and α-carboxylethyl hydroxycromans concentration in fetal circulation, 291

W

Washington
oral hygiene education for older children in Centralia, 56
State high school football coaches and athletic trainers, concussion assessment methods among, 218
suicide prevention of adolescents in Dayton, 57
Web-based information for melanoma patients, quality of, 343

Z

ZEB1, slug mRNA is highly expressed in squamous lung carcinoma and associated with expressions of, 102
Zebrafish development, tissue specific role of DNA methyltransferase 4 during, 9, 379
Zinc deuteroporphyrin bis glycol (ZnBG) on heme oxygenase activity in 3-day-old mice, 386
dinhibition, epinephrine response enhancement, in hypoglycemia counterregulatory failure, 147
Verbal intelligence quotients (VIQ), a measure of vocabulary and reasoning, were assessed with age-appropriate Wechsler scales, 6, 26
Veterans Affairs (VA), cohort of men with prostate cancer, 15
Village health workers (VHW) training program in rural Uganda, 179
Violence, curriculum to produce youth peer-advocates for victims of, 202
Visceral adipose tissue, role of mechanical-tactile stimulation (MTS) during neonatal stress in decreasing, 380
Vitamin A supplementation, reducing child mortality in Uganda through the integration of, 181
Vitamin B12 metabolism, clinical outcomes of children identified by NBS with defects of, 72
Vitamin D C2C12 skeletal myoblast cells by modulating the expression of pro-myogenic and angiogenic growth factors, 12
deficiency in critically ill patients, impact of, 407
in enhancement of cardiac differentiation by modulating the expression of Wnt signaling, 303
inhibition of C2C12 skeletal myoblast cell differentiation and proliferation by modulating pro-myogenic and angiogenic growth factors, 336
levels in trained and untrained premenopausal women, effect of a one-hour aerobic run on 25-OH, 71
low levels in Northern American adults with metabolic syndrome, 70
Vitamin D receptor, deletion on key markers of lung maturation, 157
Vitamin E intake, higher α-tocopherol concentration in the maternal circulation and α-carboxylethyl hydroxycromans concentration in fetal circulation, 291

Z

ZEB1, slug mRNA is highly expressed in squamous lung carcinoma and associated with expressions of, 102
Zebrafish development, tissue specific role of DNA methyltransferase 4 during, 9, 379
Zinc deuteroporphyrin bis glycol (ZnBG) on heme oxygenase activity in 3-day-old mice, 386