

Western Abstracts Subject Index

A

- Abdominal pain due to antibodies to IgE receptor, role of cyclosporine for treatment of, 396
- Acetylserotonin O-methyltransferase (ASMT), sleep problems in sex chromosome aneuploidy, 19
- Acidification, human milk's cellular and nutritional properties, effects of, 291
- Acoustic neuromas, trends in surgical utilization and associated patient outcomes in the treatment of, 437
- Acral lentiginous melanoma (ALM), in ethnic and caucasian populations, 215
- Acromioclavicular ligament reconstruction, role of single tendon graft for, 413
- ACTH insufficiency in a pediatric population, use of low-dose ACTH stimulation to detect, 344
- Acute coronary syndromes (ACS), evaluation of insulin resistance in young adults with, 355
- Acute promyelocytic leukemia, testing the multistage model of carcinogenesis reveals, 62
- Addiction, yoga for anxiety reduction in women recovering from, 362
- Adenosine receptor expression during alveolar development in newborn mice, impact of hyperoxia exposure on, 400
- Adipose tissue macrophages and T lymphocytes, adaptive immune response have an improved profile of, 184
- Adolescent and young adult (AYA) cancer survivors, developing a photonovela for, 86
- Adolescents
with autism spectrum disorder, patterns and predictors of medication use in, 338
depression, training student leaders in Moses Lake, Washington, 12
diabetes risk reduction program for multiethnic, 332
teen pregnancy in rural Peru through education and empowerment of, 94
with type 1 and type 2 diabetes, role of glycemia in insulin sensitivity in, 346
with type 1 diabetes, effects of metformin in, 47
- Adrenocortical carcinoma, novel use of a portable positron emission probe in intraoperative localization of, 433
- Adults
with acute coronary syndromes, evaluation of insulin resistance in young, 355
degenerative scoliosis, anterior lumbar interbody fusion I5/S1 has no effect on spinopelvic parameters in the setting of, 230
diabetes risk reduction program for multiethnic, 332
fall prevention in community dwelling, 360
- IUGR
increases mRNA levels of cardiac genes in, 284
orexin and melanin concentrating hormone expression in young, 406
in Sitka, Alaska, foot-specific education and exercise for older, 361
- Advocacy at a national level during residency, pediatric resident's reflections on the challenges, successes, and lessons learned from, 327
- Ages and Stages Questionnaire: Social-Emotional (ASQ:SE), in young children, 23
- Alanine glyoxylate aminotransferase (AGT), cloning and characterization of, 52
- Alaska
foot-specific education and exercise for older adult, 361
promoting physical activity with frisbee golf in delta junction, 363
- Alcohol urticaria syndrome, case report, 243
- Allogeneic transplant patients following micafungin prophylaxis, reduced incidence of early invasive fungal infection in
- Alveolar development in newborn mice, impact of hyperoxia exposure on adenosine receptor expression during, 400
- Alzheimer's disease (AD)
amino-terminal cleavage of apolipoprotein E4 in, 410
genetic background and relationship to global cortical atrophy, 128
human lens imaging for early diagnosis of, 373
oxidative modification of LRP-1 in amyloid plaque formation, 409
- Amino acids
in glucose stimulated insulin secretion and arginine stimulated glucagon secretion in ovine fetus, role of, 289
in leucine oxidation in the ovine fetus, infusion of, 290
- Anemia reduction, in a remote Himalayan valley school in Northern India, 5
- Angiogenic growth factors, vitamin D enhances myogenic cell differentiation of c2c12 skeletal myoblast cells by modulating, 187
- Angiotensin II-induced hypertension in mice lacking angiotensin converting enzyme N-and C-terminal activity, inflammatory response to, 305
- Anterior scalene muscle block (ASMB) in the diagnosis of thoracic outlet syndrome, quantitative assessment of, 416
- Anthropomorphic breast phantom, development of a patient-specific two-compartment, 235
- Antidepressants, mortality and cardio-vascular outcomes in a veteran population, 370
- Anti-inflammatory peptide J (AIPJ), animal models of CHD reduce atherosclerotic lesions, 36
- Anti-thyroglobulin autoantibodies, measurement of thyroglobulin in serum in presence of, 342
- Anxiety reduction in women recovering from addiction, Yoga for, 362
- Apoptosis
limiting feeding changes, 110
in liver of preterm lambs supported by nasal high-frequency ventilation, limiting feeding changes, 294
in lung, brain, and liver of chronically ventilated preterm lamb, role of pentobarbital in alteration of, 303
- Aquadynia, familial occurrence, case report, 53
- Arginine stimulated glucagon secretion, role of amino acids in enhancement of, 289
- Arterial thromboembolism-caused by disseminated intravascular coagulation in a neonate, case report, 304
- Arthrogyposis, bicornuate uterus causes, 55
- Asthma
activation of Wnt signaling by lung mesenchymal stromal cells in a rodent perinatal vitamin D deficiency model of childhood, 397
- Children's Asthma Care, hospitalization outcomes following implementation of a pediatric asthma care process model, 73
control in children treated with inhaled FP, Cytochrome P450 polymorphism associated with improved, 317
- The Joint Commission clinical asthma care measures, hospitalization outcomes, 73
nicotine-induced asthma
epigenetics of transgenerational transmission, 112
gender-specific perinatal, in rat offspring, 113
pediatric asthma, fluticasone propionate (FP), 317
phenotype, perinatal Vitamin D effects on lung development determine the, 104
- Astrocyte model, alpha-synuclein oligomer-induced calcium activity in, 130
- Astrocytomas, surgical resection of pediatric cerebellar, 434
- Atelosteogenesis type I, caused by a novel missense mutation in FLNB, 59
- Atenolol compounding, case report, 166
- Atherosclerosis, effect of anti-inflammatory peptide J on circulating markers of inflammation in mouse model, 36
- Atlanto-occipital dissociation (AOD), revised cranio-cervical interval, 134
- Atrioventricular block, case report, 166
- Auditory sensory gating, in childhood onset schizophrenia patients during rem sleep, 24
- Autism, macrocephaly as a clinical indicator of genetic subtypes in, 57
- Autism spectrum disorder, patterns and predictors of medication use in children and adolescents with, 338
- Autoimmune peripheral blood, TLR9 expression on B cell subsets in normal and, 239
- Automatic brightness control (ABC), assessment of radiation dosage to surrounding unshielded tissue, 232

B

- Bag-valve-mask ventilation (BVMV), 313
- Barrett's esophagus in patients treated with laparoscopic anti-reflux surgery, long-term outcomes of, 418
- BAX inhibition in the development of posttraumatic osteoarthritis of the knee in mice, role of, 241
- B-cell leukemia, potential therapy for high-risk, 83
- Bedside liver biopsy in the extended criteria liver donor, utility of pre-procurement, 426

- Beta adrenergic receptor mediated pulmonary vasodilation in high altitude term-fetal sheep, attenuation of, 321
- Bicornuate uterus, arthrogyposis, 55
- Bicycle distribution in rural western Kenya, challenges of, 258
- Bilateral obstructive uric acid calculi, case report, 335
- Bilirubin photodestruction, *in vivo*, 302
- Bi-phasic continuous positive airway pressure vs. standard continuous positive airway pressure in low birth weight infants with respiratory distress, 402
- Blood pressure
and all-cause mortality in VA patients diastolic, 366
regulation, small intestinal atresia risks associated with 32 single nucleotide polymorphisms involved in, 271
- Blood pressure in dialysis (BID) study, methods and design of, 219
- Brain death
effect of cytokine hemoadsorption, 140
medical students, survey study, 124
- Brain development, methylation in regions of executive function in, 278
- Brain natriuretic peptide (BNP)
as a biomarker after heart transplant for poor outcome, 167
prediction of the severity of cardiac allograft vasculopathy (CAV), 167
- Brain white matter (WM) functionality, in bulimia nervosa (BN), 144
- Breast cancer
assessment of glutaredoxin 5 gene expression in, 234
evaluation of the quality of online resources for, 381
mitochondrial serine hydroxy-methyl transferase, identification of, 79
uncoupling NF-KB signaling from pro-survival and pro-metastatic activities in, 382
- Breast feeding, high-risk infant follow-up (HRIF), 298
- Breastmilk usage in very low birth weight infants across California Nicus, intervention to increase, 293
- Bronchopulmonary dysplasia (BPD), 98
characterized by excessive expression and aberrant accumulation of elastin and alveolar simplification, 103
in preterm infants, erythropoietin treatment reduces the incidence of, 105
- Bulimia nervosa (BN), white matter integrity in insula and fornix implicated in, 144, 333
- Bumped kinase inhibitors (BKI) in blocking malaria transmission to mosquitoes, role of, 247
- Buprenorphine providers in Washington state, specialty, geographic, and practice distribution of, 68
- C**
- Caenorhabditis elegans as a genetic model of, hypoxic injury, 61
- California Poison Control System (CPCS), epidemiology of inmate exposures to poisons in, 356
- Cancer
breast cancer
assessment of glutaredoxin 5 gene expression in, 234
evaluation of the quality of online resources for, 381
mitochondrial serine hydroxy-methyl transferase, identification of, 79
uncoupling NF-KB signaling from pro-survival and pro-metastatic activities in, 382
- cell-penetrating anti-DNA antibody, 80
- chemoradiation for esophageal cancer, factors associated with local-regional failure after definitive, 226
- in lungs, assessment of glutaredoxin 5 gene expression in, 234
- ovarian cancer, characterization of fallopian tube epithelial cells as possible precursors for serous, 383
- in prostate, sequenced the protein-coding portion (exome) of, 78
- in rectum, role of coxsackie-adenovirus receptor as a senescence biomarker during treatment of, 81
- in skin, frequency and predictors of patient attitudes towards, 204
- venous thromboembolism in patients with, 385
- Candida esophagitis, in infants with gastroesophageal reflux disease, 194
- Carcinogenesis
evidence of one mutation for synovial sarcoma, 62
evidence of two mutation for acute promyelocytic leukemia, 62
- Cardiac allograft vasculopathy (CAV)
brain natriuretic peptide (BNP) as a biomarker after heart transplant, 167
lack of correlation of first-year cylex scores to the development of, 164
obesity, 169
- Cardiac surgery, neonatal maturity affects survival to, 176
- Cardiomyopathy
dietary regression, reduces body weight vs., 29
metformin improves obesity and fasting glucose, 28
time course of development of a murine model of, 27
treatment with metformin, 28
- Cardiovascular disease (CVD)
prevention, paradigm shift in, 371
in psoriasis, role of primary care physicians and cardiologists in awareness of increased outcomes in, 222
- Cardiovascular progenitor cell (CPC)
characterization and therapeutic potential of induced pluripotent stem cell-derived, 31
markers in induced pluripotent stem cell (iPSC)-derived Isl1+ progenitors, 146
- Carnosol supplementation, during cryopreservation prevents DNA damage in human spermatozoa, 286
- Carotenoids levels, maternal and infants, 296
- Carpometacarpal (CMC) joint arthritis, local soft tissue interposition approach to thumb, 415
- Catheter-associated urinary tract infections (CA-UTI), novel electronic surveillance tool, 214
- Caveolae, regulates membrane oxygen, 33
- Caveolin-1, facilitates the storage of oxygen in the plasma membrane, 33
- Cell-cell interactions, small intestinal atresia risks associated with 32 single nucleotide polymorphisms involved in, 271
- Cell-penetrating anti-DNA antibody, targeting cancer, 80
- Cell proliferation in muscle satellite cells, role of follistatin in regulation of, 341
- Central nervous system development, identification of a proteoglycan-associated regulatory region active during, 288
- Central venous line (CVL) insertion in pediatric oncology patients, radiation exposure during, 430
- Cerebellar astrocytomas, surgical resection of pediatric, 434
- Cerebral blood flow, effect of superior cervical ganglion removal on, 121
- Cerebral palsy, reasons for hospitalization in children, 20
- Chemoradiation for locally advanced esophageal cancer, factors associated with local-regional failure after definitive, 226
- Chest pain, direct comparison of the open and closed-ended question models in patients presenting to, 221
- Chest wall deformity, iatrogenic radiation exposure to patients with early onset, 414
- Childhood
auditory sensory gating, 24
cerebral palsy and Down syndrome, 20
obesity, in Tulalip, 9
- Childhood asthma, activation of Wnt signaling by lung mesenchymal stromal cells in a rodent perinatal vitamin D deficiency model of, 397
- Childhood onset schizophrenia (COS), auditory sensory gating in, 24
- Childhood vaccination in underserved population, attitudes of parents toward, 328
- Childrens
abnormal social emotional screening, 23
with autism spectrum disorder, patterns and predictors of medication use in, 338
in Butte, Montana, tobacco education for, 88
with cerebral palsy, reasons for hospitalization in, 20
changes in apparent diffusion coefficient, lateral ventricular volume, and extent of T2 periventricular hyperintensity after ETV, 237
with coccidioidomycosis, pediatric patients hospitalized at Children's Hospital Central California, 252
in Colorado, viral gastroenteritis in, 249
diffusion coefficient after endoscopic third ventriculostomy in, 237
- Down syndrome, reasons for hospitalization in, 20
with fragile X syndrome, crossover trial of minocycline in, 1, 21
gross total resection (GTR) for low grade cerebellar astrocytomas in, 434
health care interventions, in Northern Indian school children, 5
inhaled FP and Cytochrome P450 polymorphism for asthma control, 317
malnutrition, in rural Uganda through nutrition education, 200
patient-doctor communication barriers, while using phone interpreters in a medical home for risk, 206
post-operative complications and return of bowel function in children that received Ketorolac, 429
social emotional screening in young, 23

- Children's Asthma Care (CAC 1-3), hospitalization outcomes following implementation of a pediatric asthma care process model (CPM), 73
- Chow diet, favorably affect body weight, dysglycemia and cardiomyopathy, 29
- 2q11.2 Chromosomal deletion, Diamond-Blackfan anemia with, 390
- Chromosomal mosaicism, role of comparative genomic hybridization in identification of, case report, 272
- Chronically ventilated preterm lambs, dosage of pentobarbital alters apoptosis and proliferation in the lung, brain, and liver of, 303
- Chronic diseases
discharged emergency department patients, 218
tools from behavioral economics and social psychology help to control, 216
- Chronic kidney disease in patients with diabetes, effects of ethnicity on association between C-reactive protein and, 308
- Chronic obstructive pulmonary disease, poorer social support associated with baseline and incident depression in, 320
- Cigarette smoke
cigarette smokers, tobacco dependence treatment program, 223
in colocalization of guanine exchange factor H1 and RHO in respiratory epithelium, effect of, 319
- Circumcision, parental attitudes towards, 339
- Clinical ethics consultations, and their long-term follow-up, 64
- Closed head injury, magnetic resonance imaging of injury in a mouse model of, 131
- Coagulation, small intestinal atresia risks associated with 32 single nucleotide polymorphisms involved in, 271
- Coccidioidomycosis, pediatric patients hospitalized at Children's Hospital Central California with, 252
- Cognitive decline in elderly Asian/Pacific Islander population, prevention of, 260
- Cold ischemia (CI) in hibernating mammals, renal protection from, 306
- Common variable immunodeficiency (CVID), identification of CD40 ligand and ICOS defects in patients with, 394
- Communication training, in difficult conversations, 212
- Community acquired respiratory virus infection (CARV-I), effects on lung allograft function and acute rejection in lung transplant recipients, 315
- Community-based nutrition monitoring program, in rural Malawi childcare centers, 90
- Community Healthcare Workers (CHWs), 257
assessing physicians attitudes toward, 188
effectiveness of standardization of, 185
- Community health centers (CHCs)
medical assistants perceived roles and preferred training methods in, 74
research-tested health education program, 264
- Comparative genomic hybridization, chromosomal mosaicism identification, case report, 272
- Congenital adrenal hyperplasia, use of 17- α -hydroxyprogesterone to 11-deoxycortisol ratio in newborn screening of, 345
- Congenital diaphragmatic hernia (CDH) case report, 269
- ECMO alterations in inflammatory mediators potentiating the risk for tissue damage, 119
- Congenital hypothyroidism, caused by excess maternal iodine ingestion, case report, 343
- Congenital microphthalmia, comparison of surgical and non-surgical treatments for, 436
- Continuous positive airway pressure (CPAP) vs. bi-phasic continuous positive airway pressure in low birth weight infants with respiratory distress, 402
- Coracoclavicular ligament reconstruction, role of single tendon graft for, 413
- Coronin 2a is a docking site for, sumoylated peroxisome proliferator-activated receptor gamma, 180
- C-reactive protein in patients with diabetes, effects of ethnicity on association between kidney function and, 308
- Crohn's disease, significant reduction in the quality of life during exacerbations of the diseases, incidence rate in Plains, Montana, 197
- Crotaline FAB antivenom for management of multi-system envenomation, continuous infusion of, case report, 325
- ⁶⁴Cu-liposomes as positron emission tomography contrast agents in murine Met-1 tumor, [18F]FDG vs., 386
- Curcumin, hyperoxia-induced pulmonary alveolar type II cell and lipofibroblast apoptosis, 102
- Cyanotic congenital heart disease, probiotic use in, 120
- Cyclic AMP (cAMP) levels in beta cell line HIT-T15, effects of silymarin on, 353
- Cyclosporine for treatment of urticaria and abdominal pain due to antibodies to IgE receptor, 396
- Cyst
dermoid cysts, case report, 15
endoscopic excision of, 431
hygromas, predicting postnatal outcomes from prenatal ultrasounds, 158, 270
in intraneural ganglia, ultrasound-guided aspiration and injection of, case report, 432
- Cytochrome P450 polymorphism, associated with improved asthma control in children treated with inhaled FP, 317
- Cytokine hemoadsorption on, brain death-induced ventricular dysfunction, 140
- Cytokine response to laser surgery plume particulate, measured, 428

D

- Deactivation of the hypothalamus and striatum, glucose and fructose ingestion, 4
- Degenerative scoliosis, anterior lumbar interbody fusion L5/S1 has no effect on spinopelvic parameters in the setting of adult, 230
- De novo microdeletion of Xp11.3, targeting the monoamine oxidase A and B genes in a male infant with hypotonia, 50
- Dental cavity prevention, through fluoride education in Sandpoint, Idaho, 92
- Depression
among the elderly, 369
and tuberculosis, socio-demographic factors and TB treatment adherence among the urban poor, association between, 254
- Dermoid cysts, case report, 15
- Desensitization therapy, infectious complications of, 173
- Desmond Tutu HIV Foundation (DTHF) Youth Centre Clinic, patient satisfaction and service strengthening at, 250
- Diabetes
assessing physicians attitudes toward community health care workers as members of, 188
education on patient compliance, in Taos County, 350
effects of ethnicity on association between C-reactive protein and kidney function in patients with, 308
glycated hemoglobin (HbA1c), 347
in Hispanic community in Brewster, WA, culturally-appropriate nutritional guide for, 256
in Hispanic population of Weiser, Idaho, education event for, 255
in Hispanic women, gestational diabetes in, 348
in Indian and East African patients, self-management of, 349
long term care facility, 201
vs. non-diabetic subjects in an outpatient very low calorie diet program, rate of weight loss in, 354
risk for congestive heart failure, 27
role of glycemia in insulin sensitivity in adolescents with type 1 and type 2, 346
type 1 diabetes
effect on dipeptidyl peptidase-IV inhibitor treatment, 149
effects of 3 months of metformin in adolescents, 47
insulin timing-a beneficial addition to intensive insulin therapy in, 45
management of an unusual case of recurrent hypoglycemia, 48
post-prandial glucagon and glucagon-like peptide-1 levels in patients, 46
type 2 diabetes
education event for the Hispanic population of Weiser, Idaho, 255
predictors of withdrawal in a trial of Saw Palmetto for, 352
role of glycemia in insulin sensitivity in adolescents with, 346
web-based diabetes self-management tool and clinical outcomes, 351
- Diabetes risk reduction program for multiethnic adolescents and young adults, assessment of feasibility of, 332
- Dialysis catheter, real-time three-dimensional transesophageal echocardiography, case report, 165
- Dietary regression, reduces body weight, 29
- Diet-induced insulin resistance
dietary regression, reduces body weight, 29
metformin improves obesity and fasting glucose, 28
time course of development of a murine model of, 27
- Diffusion coefficient, after endoscopic third ventriculostomy in children, 237
- Dipeptidyl peptidase-iv inhibitor treatment, post-prandial glucagon and glucagon-like

peptide-1 levels in patients with type 1 diabetes, 46

Direct flexible bronchoscopic visualization, placement of nitinol airway stent under, 323

Disseminated intravascular coagulation in a neonate, arterial thromboembolism-caused by, case report, 304

DNA

- damage in human spermatozoa, carnosol supplementation during cryopreservation prevents, 286
- integrity and motility, differential effects of exogenous induced oxidative stress on human spermatozoa, 374
- methylation, in regions of executive function in the developing human brain, 148

Dorsal medial hypothalamus (DMH), pain hypersensitivity induced by chronic stress, 408

Double blind, crossover trial of minocycline in children with fragile X syndrome, 1, 21

Down syndrome, reasons for hospitalization in children, 20

Dryland training in swim programs, 330

Duchenne muscular dystrophy (DMD), diagnosis and clinical characteristics, 56

Dysglycemia, treatment with metformin, 28

E

ECGs in pediatric population, predictability of abnormal, 329

Elastin gene expression, methylation of both DNA and histone proteins in IUGR, 100

Electromechanical reshaping (EMR) in facial reconstruction, role of, 425

Embryonic stem cells (ESCs), comparative study of pluripotency markers in induced pluripotent stem cells and, 280

Emergency department (ED), prevalence of substance abuse and psychiatric disorders in patients utilizing, 224

Endobronchial lesion, case report, 326

Endoscopic forehead cyst removal, 431

Endoscopic third ventriculostomy (ETV) in children, changes in apparent diffusion coefficient, lateral ventricular volume, and extent of T2 periventricular hyperintensity after, 237

Endothelial junction protein expression, simvastatin decreases the permeability of the blood retinal barrier, 44

Endothelial progenitor cells (EPC), preterm infants vs. term infants, 117

Endotoxin (ETX)-induced shock, regional blood flow, 314

Entombed stents, comparison of unimodal and multimodal approaches for, 141

EphA2 and A3 are persistently increased in the lung, mechanically ventilated preterm lambs, 159

Epidermoid tumors, systematic analysis of treatment strategies and outcomes for, 127

Erythropoietin

- bronchopulmonary dysplasia in preterm infants, 105
- in perinatal hypoxic-ischemic encephalopathy, 111

Esophageal cancer, factors associated with local-regional failure after definitive chemoradiation for locally advanced, 226

Ewing's sarcoma, INI1 deletions and copy number signatures that correlate with clinical outcome in, 85

Exercise-induced mitochondrial biogenesis, model of insulin resistant diabetes, 178

Experiment-driven interactive learning, experiment-driven interactive learning, 8

Exposure to defensive medicine (DM), medical student, 66

Extra corporeal membrane oxygenation (ECMO)

- effect of antithrombin III supplementation on blood product requirements, 118
- induces inflammatory mediators, congenital diaphragmatic hernia, 119

Extracorporeal shockwave renal stone fragmentation vs. ureteroscopic holmium laser stone fragmentation, urinary stones, 135

Extremely low birth weight (ELBW), impact of pulmonary function, oxygen consumption, and exhaled nitric oxide measures for, 404

F

Facial reconstruction, role of electromechanical reshaping in, 425

Fall prevention

- in community dwelling adults over 65, 360
- education for seniors in Lewis county, Washington, 358
- in Hamilton, MT, 359
- Timed Up and Go (TUG) times and risk profiles, 376

Far-red Fluorescent protein (FP), triple modality reporter system, 84

Fasting glucose, metformin improve, 28

Fatty acid

- availability, ischemia impaired in a porcine model of metabolic syndrome, 30
- synthesis in 3T3-L1 adipocytes, effects of fructose on glucose contribution to, 183
- [18F]FDG as positron emission tomography contrast agents in murine Met-1 tumor model, 64Cu-liposomes vs., 386

Fibroblast growth factors (FGFs)

- during limb development, molecular intermediates in the induction of SHH by, 274
- limb specific SHH regulatory region activation, 287
- during SHH induction in limb buds, up-regulation of, 273

Fibroblast seeded scaffolds for ligament reconstruction, dynamic mechanical analysis of, 420

Fluoroles vs. conventional ureteroscopy, 137

Fluticasone propionate (FP), intronic cytochrome P450 polymorphism and pediatric asthma control with, 317

Follistatin, regulation of myogenic differentiation and cell proliferation in muscle satellite cells by, 341

Foot-specific education and exercise for older adults in Sitka, Alaska, 361

Fragile X Syndrome (FXS), double blind, placebo controlled, crossover trial of minocycline in children, 1, 21

Frisbee golf in delta junction in Alaska, promoting physical activity with, 363

G

Gastroesophageal reflux disease (GERD) in patients with idiopathic pulmonary fibrosis, Nissen fundoplication limits disease progression in patients with, 421

Gastrointestinal neuroendocrine carcinomymetry, of neck, 195

Gestational diabetes mellitus (GDM), Hispanic women, 348

γ H2AX immunofluorescence, stereotactic proton radiosurgery targeting accuracy in the rat brain, verification of, 132

Giardia lamblia oocysts in stool, lensfree microscope technology based on shadow imaging for detection of, 244

Global Initiative for Village Empowerment (GIVE), 263

Glomerulosclerosis in renal function following liver transplantation, effects of, 309

Glucose and fructose ingestion, differential brain, hormone, and satiety responses to, 4, 182

Glucose-stimulated insulin secretion (GSIS) in beta cell line HIT-T15, effects of silymarin on, 353

- role of amino acids in enhancement of, 289

Glucose transporter 1 (GLUT-1)

- positive nerve fibers in the transitional zone of Hirschsprung disease, 2
- in transitional zone of Hirschsprung disease, mapping of, 267

Glutaredoxin 5 gene (GLRX5) expression in human breast and lung cancer cells, assessment of, 234

Glycated hemoglobin (HbA1c) for assessment of glycemic control, 347

Glycemia in insulin sensitivity in adolescents with type 1 and type 2 diabetes, role of, 346

Gonadal dysgenesis, case report, 269

Gross total resection (GTR) for low grade cerebellar astrocytomas (LGCA) in children, 434

Guanine exchange factor H1 (GEF-H1) in respiratory epithelium, effect of cigarette smoke on colocalization of RHO and, 319

H

HbNO metabolism in newborn lambs, kinetics of, 106

Health care, in Ghana, 75

Health care interventions, in Northern Indian schoolchildren, 5

Healthcare workers (HCW) vs. non-HCW, lipoproteins levels (LPL), 211

Health education modules, Munsell-ling students, 6

Health screens, evaluating health care interventions in Northern Indian schoolchildren, 5

Heart failure (HF)

- with β -adrenergic receptor (β -AR) antagonists or beta-blockers (BB), 35
- physician follow-up and specialty differences on 30-day readmission for, 153, 217

Heart transplant

- biopsy negative rejection, 172
- brain natriuretic peptide (BNP) as a biomarker after, 167
- hormone replacement therapy in postmenopausal women associated, 168

- tricuspid regurgitation in the first year, 174
- virtual crossmatch truly decreased time, sensitized patients, 171
- Heavier preterms (HPT), impact of pulmonary function, oxygen consumption, and exhaled nitric oxide measures for, 404
- Helmet safety, for the Youth of Butte, 16
- Heme oxygenase-1 deficiency, promotes necrotizing enterocolitis, 114
- Heme oxygenase activity after heme-loading, effect of a low dose of zinc deuteroporphyryn bis glycol in inhibiting, 301
- Hepatic steatosis in juvenile male rats, maternal DHA supplementation effects of IUGR on, 282
- Hepatitis B virus co-infection, in human immunodeficiency virus (HIV), 248
- Hepatoblastoma, very-low birth weight (VLBW) is a potent risk factor for, 116
- High cholesterol diet (HCD) vs. HCD controls in rats with IUGR, 292
- High density lipoprotein-associated cholesterol (HDL-C), exogenous testosterone administration, 43
- High-frequency ventilation (HFV) injury parameters in the lung and brain, 110, 151
- limiting feeding changes apoptosis and proliferation in the liver of preterm lambs supported by, 294
- Highly-HLA sensitized patients, improving deceased donor transplantation for, 307
- High-risk infant follow-up (HRIF), breast feeding, 298
- Hip arthroscopy, demographic study of, 435
- Hirschsprung disease (HSCR), mapping glucose transporter-1 positive nerve fibers in the transitional zone, 2, 267
- HMGCoA reductase (HMGCoAR), IUGR in rat fed HCD vs. HCD controls, 292
- Homocysteine metabolism, small intestinal atresia risks associated with 32 single nucleotide polymorphisms involved in, 271
- Hormone replacement therapy, in postmenopausal women associated with Heart transplant, 168
- Hospital-acquired conditions (HACs), checklist for physicians reduces, 220
- Human immunodeficiency virus (HIV) hepatitis B virus co-infection in, 248
- impact of incarceration on linkage to, retention in, and outcomes of care among low-income, 367
- prevalence among MSM in Urban Peru, evaluation of a pilot project utilizing time space sampling to determine, 357
- services in a rural Kenyan setting, improvement of, 263
- Human mesenchymal stem cells (hMSCs) in 2D and 3D culture conditions, role integrin signaling and osteogenesis in regulation of, 422
- Human milk's cellular and nutritional properties, effects of acidification on, 291
- Hydrocephalus, case report, 58
- Hyper IgM syndrome (HIGM), identification of CD40 ligand and ICOS defects in patients with, 394
- Hyperoxia exposure on adenosine receptor expression during alveolar development in newborn mice, impact of, 400
- Hyperoxia-induced pulmonary alveolar type II cell, curcumin blocks, 102
- Hyperparathyroidism in a patient with X-linked hypophosphatemic rickets, case report, 38
- undetectable urinary calcium in two patients, 39
- Hypertension effect of superior cervical ganglion removal on cerebral blood flow during periods of, 121
- maternal protein deprivation and liver angiotensin II receptor expression in the development of, 277
- Hypertriglyceridemia, during parenteral nutrition, relationship with BMI, visceral fat and subcutaneous fat, 42
- Hypoglycemia, in a patient with type 1 diabetes mellitus management of, 48
- Hypogonadal men, testosterone replacement therapy in, 43
- Hypothalamic neuropeptide expression in perinatal calorie restriction, effect of leptin on perturbed, 283
- Hypotonia, de novo microdeletion of Xp11.3 targeting the monoamine oxidase A and B genes in a male infant with, 50
- Hypovitaminosis D, effect of six months of vitamin D supplementation in minorities, 49
- Hypoxia effects of non-steroidal anti-inflammatory drugs, 161
- injury, caenorhabditis elegans as a genetic model of, 61
-
- Idiopathic pulmonary fibrosis (IPF), Nissen fundoplication limits disease progression in patients with, 421
- IgE receptor, role of cyclosporine for treatment of urticaria and abdominal pain due to antibodies to, 396
- IGF-1 levels in hippocampus, prolonged mechanical ventilation (MV), 401
- Immune monitoring (Cylex), to represent the immune responsiveness of patients following heart transplantation, 164
- Inducible T-cell costimulator (ICOS) defects in patients with primary immunodeficiency, 394
- Infants with candida esophagitis, gastroesophageal reflux disease, 194
- carotenoids levels in, 296
- and child nutrition, through community education in the Peruvian Sierra, 96
- LBW with respiratory distress, continuous positive airway pressure vs. bi-phasic continuous positive airway pressure, 402
- less than 501 grams vs. 601-800 grams birth weight, perinatal complications for, 22
- necrotizing enterocolitis increased variability of fecal bile acid levels in infants, 115
- term infants with cyanotic congenital heart disease (CCHD) are at increased risk, 120
- timing of surgical intervention and clinical predictors of mortality in infants, 122
- premature breast feeding, 298
- erythropoietin treatment reduces the incidence of bronchopulmonary dysplasia in, 105
- neonatal resuscitation program team training, 107
- rates of transitional formula use in, 299
- rates of vitamin D and iron supplementation among, 297
- vs. term infants, endothelial progenitor cells, 105
- VLBW infants across California Nicus, intervention to increase breastmilk usage in, 293
- Inflammatory bowel disease (IBD), ethnic differences in healthcare utilization for pediatric patients with, 193
- Inflammatory response, small intestinal atresia risks associated with 32 single nucleotide polymorphisms involved in, 271
- Insulin-like growth factor-1 (IGF-1) IUGR in a rat fed HFD with decreased IGF-1 mRNA levels vs. HFD controls, 281, 292
- for progression of heart failure prevention, 34
- Insulin resistance diet-induced insulin resistance dietary regression, reduces body weight, 29
- metformin improves obesity and fasting glucose, 28
- time course of development of a murine model of, 27
- in young adults with acute coronary syndromes, evaluation of, 355
- Insulin sensitivity in adolescents with type 1 and type 2 diabetes, role of glycemia in, 346
- Integrin signaling, human mesenchymal stem cells (hMSCs) in 2D and 3D culture conditions, 422
- Intensive insulin therapy, in type 1 diabetes, 45
- Inter-alpha inhibitory protein, pediatric sepsis, 324
- International patient care at BC children's hospital, evaluation of capacity for, 65
- Interneuron migration in mice, effect of Tbr1 on, 411
- Intestinal parasitosis prevention, through community education in Belén, Peru, 199
- Intracellular peroxides in beta cell line HIT-T15, effects of silymarin on, 353
- Intracranial meningiomas patients receiving gross and subtotal resection, long term clinical and surgical outcomes of, 419
- Intrahepatic gas gangrene, puncture wound, 228 (case study)
- Intraneural ganglia cysts, ultrasound-guided aspiration and injection of, case report, 432
- Intrauterine growth restriction (IUGR) alters DNA and histone methylation of the elastin gene in newborn rat lung, 100
- alters PPAR gamma expression in the rat heart, 32
- decreases stearyl-CoA desaturase mRNA and palmitoleic acid levels, 108
- in decreasing NOS protein and activity in male but not female rat lungs at birth, role of, 403
- DNA and histone methylation of the elastin gene, 100
- in hepatic steatosis and PPAR γ 2 mRNA in juvenile male rats, effects of maternal DHA supplementation on, 282
- increases deposition of visceral adipose tissue (VAT), 157, 181

increases mRNA levels of cardiac genes in adulthood, 284
 increases risk of bronchopulmonary dysplasia (BPD), 103
 in increasing estrogen receptor alpha protein levels in the CA1 and CA3 regions of the male rat hippocampus, role of, 405
 orexin and melanin concentrating hormone expression in young adult mice, 406
 in rat fed a HCD with increased hepatic cholesterol and decreased SREBP2 and HMGC α AR mRNA levels vs. HCD fed controls, 292
 in a rat fed HFD with decreased IGF-1 mRNA levels vs. HFD controls, 281, 292
 variable expression of IGF-1 in the male rat heart, 34
 In Utero nicotine-induced asthma, epigenetics of transgenerational transmission of, 112
 Invasive fungal infection (IFI) in allogeneic transplant patients following micafungin prophylaxis, reduced incidence of, 384
 In vivo confocal microscopy (ICM), detection of limbal epithelial stem cells using, 417
 Iron supplementation among preterm infants, rate of, 297
 Irritable bowel syndrome (IBS), autonomic dysregulation in response to a visceral stressor in, 192
 Ischemia, myocardial contractile and metabolic recovery, 30
 Islet amyloid polypeptide (IAPP) toxicity in pancreatic β -cells, effects of lysosomal degradation inducers on, 177

K

Keep Oxygenation at Appropriate Levels for Age (KOALA) protocol, guidelines for adjusting supplemental oxygen to maintain oxygen saturations, 123
 Ketorolac, post-operative complications and return of bowel function in children that received, 429
 Kidney stones implementing osirix software, volume determination of, 142
 Kikuchi–Fujimoto lymphadenitis, case report, 375
 Klinefelter syndrome (KS), hyperplasia and hypertrophy of Leydig cells in XXY testes, 189

L

Laparoscopic anti-reflux surgery (LARS), long-term outcomes of Barrett's esophagus in patients treated with, 418
 Lasik surgery plume particulate, measured cytokine response to, 428
 Lateral ventricular volume, after endoscopic third ventriculostomy in children, 237
 Learn pediatrics, multimedia resource for medical students learning pediatric clinical skills, 336, 337
 Lensfree on-chip microscope for the detection of Giardia lamblia oocysts in stool, 244
 imaging of malaria parasites using portable, 245
 Ligament reconstruction, dynamic mechanical analysis of fibroblast seeded scaffolds and its application to, 420

Limb development
 identification of a regulatory region within the EMX2 locus that is active in the neural tube, 275
 up-regulation of TFAP2C by FGF during SHH induction in, 273
 Lipofibroblast apoptosis, curcumin blocks, 102
 Liver transplantation
 glomerulosclerosis predicts renal function following, 309
 outcomes in patients with, pulmonary hypertension, 136
 Loma Linda Veterans Administration Medical Center (LLU-VAMC), 223
 Low birth weight infants (LBW)
 with respiratory distress, continuous positive airway pressure vs. bi-phasic continuous positive airway pressure, 402
 Low-cost cloud-based remote auscultation, 262
 Low-density lipoprotein receptor-related protein-1 in amyloid plaque formation in Alzheimer's disease, role of, 409
 Low grade astrocytoma (LGA)
 bilateral obstructive uric acid calculi in a 7 year old boy on the COG 9952 reg B protocol for treatment of, 311
 case report, 335
 Low grade cerebellar astrocytomas (LGCA) in children, gross total resection (GTR) for, 434
 Lung cancer, assessment of glutaredoxin 5 gene expression in, 234
 Lung mesenchymal stromal cells in a rodent perinatal vitamin D deficiency model of childhood asthma, activation of Wnt signaling by, 397
 Lung transplant recipients (LTR), impact of respiratory viruses on acute rejection and allograft dysfunction in, 315
 Lymphatic malformation, 15

M

Macrocephaly, as a clinical indicator of genetic subtypes in Autism, 57
 Macrophage polarization, 98
 Magnetic resonance imaging (MRI), peroneal tendon pathology, 139
 Malaria transmission
 bumped kinase inhibitors block, 156
 to mosquitoes, role of bumped kinase inhibitors in blocking, 247
 Malignant mesothelioma (MM), autoantibody signatures for detection of, 387
 Malnutrition in at-risk children, in rural Uganda through nutrition education, 200
 Mammalian sterile 20-like kinase 1 and 2 (MST1/2) activation, role of RASSF1C in decreasing, 233
 Marshall–Smith syndrome, case report, 268
 Mass casualty incidents (MCI), pediatric triage skills in a varied population of medical providers in King County, WA, 225
 Mast cell development, role of transcription factor ZFP521 in regulation of, 393
 Maternal child health assessment in Dolpa district, Western Nepal, 340
 Maternal food-restriction-induced myogenic lung phenotype, antenatal metyrapone in, 300
 Maternal iodine ingestion, congenital hypothyroidism caused by, case report, 343

Maternal mortality and morbidity in Mangochi, through community-level promotion of birth preparedness, 91
 Maternal protein deprivation
 and liver angiotensin II receptor expression in the development of hypertension, 277
 during pregnancy, liver renin mRNA and protein expression associated with, 276, 312
 Maternal tobacco smoke (MTS), IUGR induced develop right ventricular hypertrophy, 32
 Mean length-for-age Z-score (LAZ), track changes in linear growth from birth to 6 mos of age, 87
 Mechanical ventilation (MV) of preterm lambs
 EphA2, A3, A4 in the lung of, 398
 EphA2 and A3 are persistently increased in the lung of former, 399
 IGF-1 levels in the hippocampus are decreased by prolonged, 401
 Medical education in Uganda since 2005, changes in, 265
 Medical professionalism, comparison in different clinical settings, 63
 Medical scholars teaching area rural students program, effectively increases rural youth intention to graduate high school, 7
 Medical students
 assessment and improvement of pre-departure training for, 205
 brain death, survey study, 124
 depressive symptoms in, 145, 209
 development of malpractice concern (MC), 66
 exposure to defensive medicine (DM), 66
 perspectives on their professional interactions with female physicians, 72
 Medulloblastoma, high BCL11B expression is correlated with high C-MYC expression and anti-apoptotic phenotype in, 377
 Melanin concentrating hormone expression in young adult mice, intrauterine growth restriction effects of, 406
 Melanoma
 contribution of syndecan-4 on tumor growth and metastasis, 380
 mechanisms of resistance to the B-Raf inhibitor zelboraf in metastatic, 76
 resistance mechanisms to B-RAF inhibitors, 154
 Meningiomas patients receiving gross and subtotal resection, long term clinical and surgical outcomes of, 419
 Men who have sex with men (MSM) in urban Peru, treatment of, 261
 Metabolic syndrome, wrist circumference a predictor of, 40
 Metformin in adolescents with type 1 diabetes, effects of, 47
 Microphthalmia, comparison of surgical and non-surgical treatments for congenital, 436
 MicroRNAs (miRs), targets adherence junction proteins resulting in skin squamous cell carcinoma, 3
 Midline cervical clefts (MCC), 423
 Mild cognitive impairment (MCI), genetic background and relationship to global cortical atrophy, 128
 Mild traumatic brain injury (mTBI), long term neurological and behavioral changes in MRI, 131
 Minocycline, in children with Fragile X Syndrome, 1, 21

Mitochondrial stress, NF- κ B inhibitory proteins dictate cellular survival in response to, 99

Monoamine oxidase A and B genes, de novo microdeletion of XP11.3 targeting, 152

Mucopolysaccharidosis type 1 (MPS I), improvement in joint manifestations in a patient with, case report, 51

Multorgan system disease, 17Q12 deletion and risk for, 60

Multiple pterygium, case report, 58

Multi-system envenomation, continuous infusion of crotaline FAB antivenom for management of, case report, 325

Murine Met-1 tumor model, 64Cu-liposomes vs. [18F]FDG as positron emission tomography contrast agents in, 386

Muscle weakness in Rasopathies, 266

Musculoskeletal education, with the aging population, the prevalence of, 210

Mycobacterial infection in zebrafish, hematopoietic changes during, 395

Myogenic differentiation in muscle satellite cells, role of follistatin in regulation of, 341

N

Nebulized rosiglitazone, delivery method for accelerating neonatal lung maturation, 101

Necrotizing enterocolitis (NEC)
heme oxygenase-1 deficiency promotes, 114
increased variability of fecal bile acid levels in infants, 115
term infants with cyanotic congenital heart disease (CCHD) are at increased risk, 120
timing of surgical intervention and clinical predictors of mortality in infants, 122

Negative pressure wound therapy system with volumetric automated fluid instillation (NPWTi), 229

Neonatal erythropoietin, in perinatal hypoxic-ischemic encephalopathy, 111

Neonatal hyperoxia, increases lung elastin as well as alters lung structure in male IUGR rats, 103

Neonatal infections
decreased intracellular and extracellular production of T helper 1 cytokine IL-17 by cord blood mononuclear cells contribute to, 392
decreased T-helper 1 and T-helper 2 cytokine production by cord blood mononuclear cells may contribute to, 251

Neonatal intensive care unit
KOALA protocol, guidelines for adjusting supplemental oxygen to maintain oxygen saturations, 123
timing of surgical intervention and clinical predictors of mortality in infants, with NEC, 122

Neonatal lung maturation, nebulized rosiglitazone, 101

Neonatal outcomes, at teaching hospitals, 69

Neonatal resuscitation program team training, for high risk premature infants, 107

Neuromas, trends in surgical utilization and associated patient outcomes in the treatment of acoustic, 437

Neuron-specific lipoprotein lipase knockout (NEXLPL-KO) mice vs. wild type (WT) mice, in sleep disruption, 179

Neutrophil trafficking, role of endothelial PR in regulation of uterine, 295

Newborn screening, very long-chain acyl-CoA dehydrogenase deficiency, 54

Nicotine-induced asthma
epigenetics of transgenerational transmission, 112
gender-specific perinatal, in rat offspring, 113

Nissen fundoplication for gastroesophageal reflux disease in patients with idiopathic pulmonary fibrosis, role of, 421

Nitinol, ocular biocompatibility of, 231

Nitric oxide synthase (NOS), protein and activity in male but not female rat lungs at birth, role of IUGR in decreasing, 403

No-fault medical malpractice model, everett rogers diffusion of innovations theory, 207

Noise power spectrum (NPS) of proton computed tomography (pCT), 227

Non-diabetic VA population, prevalence of low HDL and its association with BMI in, 41

Non-steroidal anti-inflammatory drugs (NSAIDs) in hypoxic ventilatory response and acclimatization to chronic hypoxia in humans, 316

Nuchal thickening, predicting postnatal outcomes from prenatal ultrasounds, 158, 270

Nursing education, Uganda, 67, 71

O

Obesity
adipose tissue inflammation in, 184
in Centralia Washington, providing teens a roadmap to healthy living to, 11
childhood, in Tulalip, 9
fructose consumption has been implicated in the development of, 183
hypertriglyceridemia, free living individuals, 42
increases in fructose consumption, 4, 182
metformin, 28
protection from cardiac allograft vasculopathy, 169

Ocular biocompatibility of nitinol, 231

Older recipients, policy of placing older donors into, 170

Oligodendrocytes, Zebrafish as model for the study of, 285

Oncology education from an integrated interdisciplinary perspective, 389

Operating room (OR)
role of safety-engineered scalpels to reduce sharps injury in, 427

Optic nerve sheath diameter on MRI, improved pediatric hydrocephalus, 138

Orexin concentrating hormone expression in young adult mice, intrauterine growth restriction effects of, 406

Osirix software, volume determination of kidney stones implementing, 142

Osteoarthritis of the knee in mice, role of BAX inhibition in the development of posttraumatic, 241

Osteogenesis, human mesenchymal stem cells (hMSCs) in 2D and 3D culture conditions, 422

Ovarian cancer, characterization of fallopian tube epithelial cells as possible precursors for serous, 383

Oxidant defense, model of insulin resistant diabetes, 178

Oxidative stress, sodium-calcium exchanger (NCX), exchanger's role in early after depolarizations, 26

P

Paget's disease, case report, 37

Pain hypersensitivity induced by chronic stress, role of dorsal medial hypothalamus in, 408

Palmitoleic acid, contributes to surfactant synthesis and alveolar formation, 108

Pancreatic cancer (PANC-1) cells, auristatin drugs decrease long-term survivin levels and induce apoptosis in, 82

Parenteral nutrition associated liver disease (PNALD), effect of lipid minimization on, 133, 162

Parenteral nutrition, hypertriglyceridemia, relationship with BMI, visceral fat and subcutaneous fat, 42

Part-solid lung nodules using conventional and semi-automated methods, inter-and intra-observer variation in measuring, 322

Patient-doctor communication barriers, while using phone interpreters in a medical home for risk children, 206

PDE6C zebrafish, effects of methyl jasmonate on photoreceptor degeneration in a, 412

Pediatric asthma, fluticasone propionate (FP), 317

Pediatric cancer survivorship care, community advisor groups' perspectives on barriers and facilitators to a, 202

Pediatric cerebellar astrocytomas, surgical resection of, 434

Pediatric coccidioidomycosis in Central California, 252

Pediatric flexor tendon injuries
prevalence and outcomes of, 17
treatment paradigms identification, 17

Pediatric heart failure, β -adrenergic receptor (β -AR) antagonists, 35

Pediatric hydrocephalus, optic nerve sheath diameter on MRI decrease with, 138

Pediatric oncology patients, radiation exposure during central venous line insertion in, 430

Pediatric population
predictability of abnormal ECGs in, 329
use of low-dose ACTH stimulation to detect ACTH insufficiency in, 344

Pediatric sepsis, inter-alpha inhibitory protein in, 324

Percutaneous endoscopic gastrostomy tube placement, complication of, case study, 196

Perinatal calorie restriction, effect of leptin on perturbed hypothalamic neuropeptide expression and energy balance in, 283

Perinatal complications, long-term outcome for infants less than 501 grams vs. 601-800 grams birth weight, 22

Perinatal health education program (PHEP), implementation and assessment in rural Nepal, 89

Perinatal vitamin D, effects on lung development determine the asthma phenotype, 104

Peripheral muscle weakness in rasopathies, 266

Permeability of the blood retinal barrier, by alteration of endothelial junction protein expression, 44

Peroneal tendon pathology, clinical and radiological correlative study of, 139

Peroxisome proliferator activated receptor gamma 2 (PPAR γ 2) mRNA in juvenile male rats, maternal DHA supplementation effects of IUGR on, 282

Photoreceptor degeneration in a PDE6C zebrafish, effects of methyl jasmonate on, 412

Pluripotent stem cells, comparative study of pluripotency markers in embryonic stem cells and induced, 280

Pneumocystis jiroveci pneumonia (PCP) patient with newly diagnosed systemic lupus erythematosus, 242

Polycystic kidney disease (PCKD), aortic aneurysm, case report, 163

Positron emission probe in intraoperative localization of persistent adrenocortical carcinoma, novel use of, 433

Positron emission tomography contrast agents in murine Met-1 tumor model, ⁶⁴Cu-liposomes vs. [¹⁸F]FDG as, 386

Posttraumatic osteoarthritis of the knee in mice, role of BAX inhibition in the development of, 241

Preemptive analgesia, post-operative complications and return of bowel function in children that received, 429

Pregnancy
contraceptive educational outreach for, 97
prevention in Othello, Washington, 93
prevention of malaria through health education in rural Uganda, 95
in rural Peru through education and empowerment of adolescent girls, 94

Premature infants, neonatal resuscitation program team training, 107

Prenatal ultrasound, nuchal thickening and cystic hygromas, 270

Prescription adherence, overcoming barriers of, 203

Presternal dermoid cyst, mimicking lymphatic malformation, case report, 15

Preterm birth, impact of pulmonary function, oxygen consumption, and exhaled nitric oxide measures for, 404

Preterm infants
breast feeding, 298
erythropoietin treatment reduces the incidence of bronchopulmonary dysplasia in, 105
rates of transitional formula use in, 299
rates of vitamin D and iron supplementation among, 297

Preterm lambs
dosage of pentobarbital alters apoptosis and proliferation in the lung, brain, and liver of chronically ventilated, 303
limited feeding
apoptosis, 110, 151
liver proliferation, nasal high-frequency ventilation in, 151
will change injury parameters in the lung and brain, 110
mechanical ventilation
EphA2, A3, A4 in the lung of, 398
EphA2 and A3 are persistently increased in the lung of former, 399
IGF-1 levels in the hippocampus are decreased by prolonged, 401

Primary care in under-serviced rural Kenya, 257

Primary care physicians (PCPs) in awareness of increased cardiovascular disease outcomes in psoriasis, role of, 222

Primary hyperparathyroidism (PHPT), undetectable urinary calcium, 39

Primary immunodeficiency, identification of CD40 ligand and ICOS defects in patients with, 394

Prolyl oligopeptidase (POP) in angiotensin II-induced hypertension, role of, 305

Prostate cancer, sequenced the protein-coding portion (exome) of, 78

Proton computed tomography (pCT), noise power spectrum of, 227

P-selectin in platelets formed under flow on a fibrillar collagen substrate, localization of, 379

Psoriasis, role of primary care physicians and cardiologists in awareness of increased cardiovascular diseases outcomes in, 222

Psychiatric disorders, chief complaints of frequent emergency department utilizers and prevalence of, 224

Psychotropic medications among underserved African American seniors, use of, 368

Pulmonary hypertension, clinical liver transplant outcomes in patients with, 136

Pulmonary vascular volume in humans, relationship between lung structure and function and, 318

Pulmonary vasodilation in high altitude term-fetal sheep, attenuated beta adrenergic receptor mediated, 321

Puncture wound, intrahepatic gas gangrene arising from, 228 (case study)

Q

Quality of care, improvement through bilingual patient education, 259

R

Rapid eye movement (REM), in childhood onset schizophrenia patients, 24

Rasopathies, peripheral muscle weakness in, 266

RASSF1C, mammalian sterile 20-like kinase 1 and 2 (MST1/2) activation, 233

Reactive arthritis, role of salmonella enterica in causing, case report, 253

Rectal cancer treatment, role of coxsackie-adenovirus receptor as a senescence biomarker during, 81

Red lodge, Montana, wilderness medicine career day for teens in, 198

Regional blood flow (RBF), effect of endotoxic shock and ECMO on, 314

Renin-angiotensin system, maternal protein deprivation mediated changes in the liver, 276, 312

Respiratory distress
bi-phasic continuous positive airway pressure vs. standard continuous positive airway pressure in low birth weight infants with, 402

Respiratory epithelium, effect of cigarette smoke on colocalization of guanine exchange factor H1 and RHO in, 319

Retroperitoneal sarcomas, outcomes of, 388

Rheumatoid arthritis-associated lung disease without clinical arthritis, 240

Rheumatoid arthritis (RA), role of lung in initiating site of inflammation in, 238

Right to left shunting (RLS) in individuals, diagnosed with sleep apnea, 175

Rural youth intention, medical scholars teaching area rural students program effectively increases, 7

S

SAG1, blockage of Th2-mediated asthmatic airway inflammation, 391

Salmonella enterica in reactive arthritis, role of, case report, 253

Schizophrenia
effects of attention on tonotopy in, 125
infant biomarkers of vulnerability to, 25

Sensitivity to somatostatin analogues (SSAs), clinical presentation and response to, 186

Sensitized patients
desensitization therapy for, 173
virtual crossmatch truly decreased time on the heart transplant waiting list for, 171

Serous ovarian cancer, characterization of fallopian tube epithelial cells as possible precursors for, 383

Sex chromosome aneuploidy (SCA), in sleep problems and relationship with ASMT expression, 19

Shiga toxin producing E.Coli (STEC) infection, orogastric zinc decreases intestinal inflammation in, 190

Sickle cell disease (SCD) stimulation, for teaching & assessment, 208

Silymarin (SIL), effects on intracellular peroxides, glucose-stimulated insulin secretion, and cyclic AMP levels in the beta cell line HIT-T15, 353

Simultaneous liver-kidney transplantation (SLK) vs. liver transplant alone (LTA), role of renal biopsy in providing guidance for, 309

Single nucleotide polymorphisms (SNP) of genes involved in vascular process, small intestinal atresia associated with, 271

Skin cancer, frequency and predictors of patient attitudes towards, 204

Sleep apnea, right to left shunting (rls) in individuals, diagnosed with, 175

Sleep disruption in pre-obese mice, with altered brain lipid metabolism, 179

Sleep problems, in sex chromosome aneuploidy and relationship with ASMT expression, 19

Small class size, in promoting interest in health care fields among underserved elementary school students, 8

Small intestinal atresia (SIA), associated with 32 SNPs involved in vascular process of homocysteine metabolism, coagulation, cell-cell interactions, inflammatory response, and blood pressure regulation, 271

Smokeless tobacco (ST), education on teen athletes, 10

Smooth pursuit eye movements (SPEM), associated with vulnerability to schizophrenia, 25

Social emotional screening, in young children, 23

Social isolation in elderly Asian/Pacific Islander population, prevention of, 260

Sodium-calcium exchanger (NCX), exchanger's role in early after

- depolarizations caused by oxidative stress, 26
- Sodium thiosulfate, case report, 310
- Soft tissue interposition approach, carpometacarpal (CMC) joint arthritis, 415
- Sonic Hedgehog (Shh) induction
FGF during limb development, molecular intermediates in, 274
in limb buds, up-regulation of TFAP2C by FGF during, 273
- Spermatozoa, carnosol supplementation during cryopreservation prevents DNA damage in human, 286
- Spine deformity, iatrogenic radiation exposure to patients with early onset, 414
- Spinopelvic parameters in the setting of adult degenerative scoliosis, anterior lumbar interbody fusion L5/S1 has no effect on, 230
- Squamous cell carcinoma (SCC), miR-9, a tumor suppressor microRNA, targets adherence junction proteins resulting in, 3, 77
- Stearyl-CoA desaturase (SCD), catalyzes the rate-limiting step in synthesis of palmitoleic acid, 108
- Stereotactic radiotherapy (SRT) for vestibular schwannoma (VS), role of, 236
- Sternocostoclavicular hyperostosis, case report, 37
- Sterol-responsive element binding protein 2 (SREBP2), IUGR in rat fed HCD vs. HCD controls, 292
- Stone formation among rural Ugandan children, risk factors for, 334
- Stress, direct stimulation of the dorsal medial region of the hypothalamus (DMH) in anaesthetized rats, 160
- Stroke
inhibitory properties of the post-stroke glial scar, 129
transplantation of neural progenitor cells (NPC), 129
- Student health education, in remote Northern India, 6
- Substance abuse, chief complaints of frequent emergency department utilizers and prevalence of, 224
- Suicide awareness, training student leaders in Moses Lake, Washington, 12
- Sumoylated peroxisome proliferator-activated receptor gamma, coronin 2a is a docking site for, 180
- Superior cervical ganglion (SCG), removal on cerebral blood flow during periods of acute hypertension, 121
- Syndecan-4, melanoma growth and metastasis, 380
- Synovial sarcoma, testing the multistage model of carcinogenesis reveals, 62
- Systemic lupus erythematosus, pneumocystis jiroveci pneumonia in a patient with newly diagnosed, 242
-
- T**
-
- T2 periventricular hyperintensity, after endoscopic third ventriculostomy in children, 237
- TDAP vaccination rates, in postpartum women, 213
- Teaching hospitals, neonatal outcomes at, 69
- Teen athletes, smokeless tobacco education on, 10
- Teen pregnancy
contraceptive educational outreach for, 97
prevention in Othello, Washington, 93
in rural Peru through education and empowerment of adolescent girls, 94
- Testosterone
evidence of defect in the release of, from XXY mouse testis, 189
replacement therapy, in hypogonadal men alters the HDL proteome, 43
- Th2-mediated asthmatic airway inflammation, exposure to attenuated Toxoplasma Gondii and surface protein SAG1 blocks the development of, 391
- The Joint Commission clinical asthma care measures, hospitalization outcomes, 73
- T helper 1 (Th1) lymphocytes decreased intracellular and extracellular production, contribute to neonatal infections, 155
- Thoracic outlet syndrome (TOS), quantitative assessment of scalene muscle block in the diagnosis of, 416
- Thyroglobulin in serum in presence of anti-thyroglobulin autoantibodies, measurement of, 342
- Timed Up and Go (TUG) times, reflect different patterns of fall risk factor profiles, 150
- TLR9 expression, on B cell subsets in normal and autoimmune peripheral blood, 239
- Tobacco control guidelines to a specialty care setting, dissemination of, 424
- Tobacco dependence treatment (TDT) program, cigarette smokers enrolled in an out-patient, 223
- Tobacco education for children and parents, in Butte, Montana, 88
- Tonotopy in the auditory cortex, schizophrenia, 125
- Total knee arthroplasty, changes in the design of the blades can reduce risk of soft tissue damage, 143
- Toxoplasma Gondii, blockage of Th2-mediated asthmatic airway inflammation, 391
- Tracheal hypoplasia, a patient with atelosteogenesis type I caused by, 59
- Transcription factor AP-2 gamma (Tfap2c) up-regulation, FGF during SHH induction in limb buds, 273
- Transmitted drug-resistant HIV in resource-limited countries, review of, 246
- Tricuspid regurgitation (TR) in the first year, heart transplant, 174
- Trisomy X, prenatal vs. postnatal diagnosis, 18
- Tuberculosis (TB)
and depression, socio-demographic factors and TB treatment adherence among the urban poor, association between, 254
interactions between depression, socio-demographic factors and treatment adherence among the urban, 147
- Two-rescuer bag-valve-mask ventilation techniques on an airway manikin, comparison of, 313
- Type 1 diabetes
effect on dipeptidyl peptidase-IV inhibitor treatment, 149
effects of 3 months of metformin in adolescents, 47
insulin timing—a beneficial addition to intensive insulin therapy in, 45
- management of an unusual case of recurrent hypoglycemia, 48
post-prandial glucagon and glucagon-like peptide-1 levels in patients, 46
- Type 2 diabetes
education event for the Hispanic population of Weiser, Idaho, 255
predictors of withdrawal in a trial of Saw Palmetto for, 352
role of glycemia in insulin sensitivity in adolescents with, 346
-
- U**
-
- Uganda
malnutrition in at-risk children, 200
medical educational changes, 265
nursing education, 67, 71
pregnancy, prevention of malaria through health education in rural, 95
risk factors for stone formation among rural children in, 334
- Ulcerative colitis, significant reduction in the quality of life during exacerbations of the diseases, incidence rate in Plains, Montana, 197
- Umbilical cord blood CD34+ hematopoietic progenitor colony formation, SR-1 antibody exhibits dose dependent inhibition of human, 279
- Urinary incontinence among older, community-dwelling Californians, correlates and prevalence of, 372
- Urinary stones
extracorporeal shockwave renal stone fragmentation vs. ureteroscopic holmium laser stone fragmentation, 135
safety and feasibility of performing ureteroscopic laser lithotripsy comparison, 137
- Urticaria due to antibodies to IgE receptor, role of cyclosporine for treatment of, 396
- Uterine neutrophil trafficking, role of endothelial PR in regulation of, 295
- Uterine-placental insufficiency (UPI), IUGR induced develop right ventricular hypertrophy, 32
-
- V**
-
- Vasoactive metabolite of nitric oxide in whole blood, evidence of, 109
- Venous thromboembolism (VTE) in patients with cancer, 385
- Very long chain Acyl-CoA dehydrogenase deficiency, on newborn screening, 54
- Very-low birth weight (VLBW) infants across California Nicus, intervention to increase breastmilk usage in, 293
is a potent risk factor for, hepatoblastoma, 116
- Vestibular schwannoma (VS), stereotactic radiation for the treatment of, 236
- Viral gastroenteritis in children in Colorado, 249
- Virtual problem based learning (PBL), traditional vs. virtual problem-based learning, 70
- Vitamin D
deficiency model of childhood asthma, activation of Wnt signaling by lung mesenchymal stromal cells in a rodent perinatal, 397

enhances myogenic cell differentiation of C2C12 skeletal myoblast cells, 187
 induced inhibition of mammary cancer stem cell proliferation, nitric oxide potentiates, 378
 in minorities with pre-diabetes and hypovitaminosis D, 49
 supplementation among preterm infants, rate of, 297
 supplementation in minorities with pre-diabetes and hypovitaminosis D, 49
 treatment regimens and their dose response relationship in repleting vitamin D serum levels, evaluation of, 364

W

Washington State high schools, sports concussion evaluation and management in, 331

Wilson disease, abnormal methionine metabolism and the role of inflammation and steatosis in, 191
 Wnt signaling by lung mesenchymal stromal cells in a rodent perinatal vitamin D deficiency model of childhood asthma, activation of, 397
 Wrist circumference, a predictor of metabolic syndrome, 40

X

X-linked hypophosphatemic rickets, case report, 38

Y

Yoga, for anxiety reduction in women recovering from addiction, 362
 Youth

in healthcare and biomedical careers, to increase the interest of a diversified population of, 13
 physical activities to foster learning and engagement in, 14

Z

Zebrafish

hematopoietic changes during mycobacterial infection in, 395
 methyl jasmonate on photoreceptor degeneration in a PDE6C, 412
 white matter disorders, 285
 ZFP521, mast cell development, 393
 Zinc deuteroporphyrin bis glycol in inhibition of heme oxygenase activity after heme-loading, effect of low dose of, 301
 Zurich concussion guidelines use in sports medicine in Idaho and Washington, incidence of, 407