

Western Abstracts Subject Index

A

- $\alpha 4\beta 1$, integrin, therapeutic effects of, in tumor models, 397
- AB-16AP, validation of, on mechanisms of radiation-induced GH deficiency, 70
- Aberrant B lymphocyte homeostasis, role in autoimmune human spleen and peripheral blood, 261
- Acetylation of histone 3 lysine 18 (H3K18ac) patterns, role in transcription regulation and its implications in oncogenesis, 76
- Acute rejection episodes (AREs), effects of glycemic control on outcomes of, 496
- Adenomatous Polyposis Coli (APC), study of consequences of inactivating, in lung epithelial cells, 431
- Adipose tissue gene expression, impact of developmental massage therapy (DMT) on, 14
- Adiposity, impact of developmental massage therapy (DMT) on, 14
- Adoptive T-cell therapy, impact of clinical parameters on feasibility of, in cancer patients, 98
- Adult adipose dysregulation, impact due to maternal separation, 20, 112
- Adults with intellectual/developmental disabilities (I/DD), diabetes screening in, 95
- African American males, religiosity and high risk sexual behaviors in, 215
- African immigrants, health needs of, in California, 56
- African youth, evaluation of dietary intake amongst disadvantaged, 92
- Aging-associated sarcopenia impact of testosterone (T) supplementation in molecular mechanisms of, 65
- Alcohol Abstinence Self Efficacy (AASE) scale, evaluation of evidence of cultural bias, 94
- Alcohol abuse, community-based interventions for, Yarmag, 340
- Alcohol consumption
And influence of tobacco smoke in C57/BL6 mice, study, 443
In Spiti Valley region of northern India, 335
Study of prevalence and exposure to violence, 85
- Alcohol, effects on recovery from fractures and dislocations from musculoskeletal injury, 329
- Alemtuzumab (Campath), vs. antithymocyte globulin (Thymo), comparative study of, 469
- Altitude hypoxia, on RV systolic and diastolic function in healthy volunteers, effects of, 157
- Alzheimer's disease, effect of cerebral amyloid angiopathy on transition metals homeostasis in, 185
- AM580 and rosiglitazone, effects on B cell CD1d expression and NKT cell frequency, 259
- American Indian/Alaska natives
Community prenatal care services for, 52
Fall prevention health education, for Yakama nation elders, 55
- Hearing health risk exposures, in northwest, 50
- Mainstreaming of students into healthcare, 59
- Telemedicine protocol for detecting diabetic retinopathy (DR) in, 49
- Anesthesia care, cost and cost analysis of, 328
- Aneurysms, small middle cerebral and basilar artery, hemodynamic analysis of, 176
- Angelman Syndrome (AS), study of neurological phenotype in, 450
- Anhedonia, levels of in skydiving participants, 475
- Anterior lumbar interbody fusion (ALIF), regional variation and trends in, 356
- Anti-retroviral (ARV) treatment, and drug resistance among patients of NGO AIDS Orphans Empowerment Training's (AOET) Bugembe, Uganda clinic, assessment of knowledge of, 486
- Antithymocyte globulin (Thymo) vs. alemtuzumab (Campath), comparative study of, 469
- Aortic stiffness (AoS), in systemic lupus erythematosus (SLE), as an independent cause of LV diastolic dysfunction (DD), study, 221
- Array comparative genomic hybridization testing, for cancer predisposition syndromes, risk and potential errors in, 74
- Arteries, systemic, vasoactive properties of surfactants on, 22
- Aspirin, for at-risk pediatric ischemic stroke patients, study, 174
- Assisted Reproductive Technology (ART) Births, evaluation of frequency of twinning with and without in Prader-Willi Syndrome, 1, 282
- Asthma clinical pathway, impact on joint commission inpatient asthma performance measures, 248
- Astrocytosis, mechanisms underlying, following sciatic nerve injury, 24
- Atherosclerosis, early, role of heparin-binding epidermal growth factor (HB-EGF) in, 44
- At-risk pediatric ischemic stroke patients, prophylactic treatment with aspirin and low-dose heparin, 174
- Attention deficit/hyperactivity disorder (ADHD), in children and adolescents with sex chromosome aneuploidy (SCA), 29
- Auditory gating deficits, in manic illnesses, reproducibility and prevalence of, 179
- Auditory Stroop interference task, to isolate attention systems in brain, use of fMRI analysis with, 151
- Autism Spectrum Disorders (ASD)
And cervicofacial venous malformation in patient with Kabuki Syndrome, 35
Functional gene annotation in, 15, 79
Head circumference (HC) as clinical marker in children with, 34
Neuronal phenotype of, using induced pluripotent stem cells, 80
And relationship with head circumference (HC), 6

utilization of complimentary and alternative medicine in preschool aged children, 33

B

- Back pain, low
Directional asymmetry in three traits in, 206
Prevention and education of, in hispanic migrant workers of Wenatchee, 186
- B-cell apoptosis, as pathological marker of type 2 diabetes mellitus, 109
- B cell lymphoma, in Job syndrome of hyper-IgE and recurrent infections, analysis, 411
- Beckwith-Wiedemann syndrome (BWS), altered methylation in LIT1 in monozygotic twins, 281
- Behcet's disease with intestinal involvement due to crohn's disease, case report 240
- Benign prostatic hyperplasia (BPH)
Role of testosterone in reducing prostate size and symptoms of, in hypogonadism, 67
- Bevacizumab (Avastin), for Glioblastoma multiforme (GBM), analysis of pre-treatment MRI scans of, 144
- Bicycle helmets, campaign for preventing injury, study, 192
- Bipolar disorder, tobacco consumption in, 478
- BK virus (BKV)
Nephropathy, surveillance strategy of, 303
In pediatric renal transplant patients, safety and efficacy study of ciprofloxacin (cipro) therapy on, 304
- Body Surface Area (BSA), as risk factor for earlier or later onset of cardiomyopathy (CM), analysis, 211
- Bone mineral density (BMD), analysis of reference standards for US white and North Indian or South Indian populations in diagnosis of osteoporosis and osteopenia, 392
- Bone Morphogenetic Proteins (BMP), effectiveness of, in bone fusion and spinal arthrodesis, 463
- BopA and BopB, role in *Brucella* spp. pathogenesis, 267
- Brachial plexus birth palsy (BPBP), elbow flexion contracture in children with, 5
- Breast cancer
Role of arginase pathway in, 99
Stem-like cells, vitamin D receptor (VDR) expression in, 66
- Breast implant-associated T cell anaplastic large-cell lymphoma, case report of, 317
- Breastmilk feeding (BMF), racial influence in, 133
- Breast reconstruction, evaluation of acellular dermal matrix in, 465
- Brighter Smiles Africa program
Contributions of an aboriginal community to an international global health partnership, 188
Evaluation of, 187
- Brucella* spp. pathogenesis, role of BopA and BopB, 267

Bullous pemphigoid (BP), development of an assay to detect and measure IgE-specific antibodies in, 417

Burkholderia thailandensis (BT), type VI secretion system (T6SS) in, evaluation of virulence loss and, 269

C

Calcium-activated chloride channels (ClCa), role in pulmonary artery (PA) contractility, 122

Calcium oxalate crystals, in pulmonary abscess, analysis, 273

Camptodactyly, Arthropathy, Coxa vara, Pericarditis (CACP) syndrome, clinical diagnosis in Yemenese siblings, case report, 284

Cancer

- Adoptive T-cell therapy, impact of clinical parameters on feasibility of in, 98
- Gene-miRNA regulatory networks, in cancer, significance 398
- Patients, adaptive mechanism maturity in relation to anxiety and depression symptom severity in, 479
- Survivorship care, Community Based Organizations (CBOs) for, analysis, 344

Cancer survivors, role of age factor, 401

Cannabinoid, expression on sex steroid hormonal regulation in guinea pig hypothalamus, study, 446

Carcinoembryonic cell adhesion molecule 6 (CEACAM6), role in premature infant and adult lung fluid, 428

Cardiac papillary fibroelastoma, case report, 375

Cardiac transplantation, long-term outcomes of primary graft dysfunction (PGD) in, 41

Cardiovascular disease, prevention program in high schools, development strategies, 342

CD8a+ intraepithelial cells, in intestine of suckling mice, role of lactobacillus feeding, 290

C4d or C3d positivity, as marker of outcome in heart transplant biopsies, 39

CDR3 β motif, as effective cancer vaccine, study, 406

Cellular responses of multi-signal activation, in multiple biological systems, quantitative characterization of, 12

Cerebral/somatic oximeter, evaluation of safe use of, in extremely preterm infants within first 24 hours of life, 288

Cervical sympathetic trunk (CST), cadaveric study and potential clinical applications of, 358

Cervicofacial venous malformation, Kabuki Syndrome in patient with autism spectrum disorders (ASD) and, 35

Chondrosarcomas, low grade, curettage with cryosurgery for, 319

Chromosome 16p11.2 deletion, role in congenital diaphragmatic hernia (CDH), 73

Chromosome 22q11.2 deletion syndrome (22q11.2DS), translational clinic, 30

Chronic constriction injury (CCI), pathogenesis of neuropathy-induced bone loss, 148

Chronic neonatal hypoxia model, of preterm birth, cognitive and social deficits in, 27

Ciprofloxacin (cipro) therapy, safety and efficacy on BKV in pediatric renal transplant patients, 304

Circulating tumor cells (CTCs), detection of, using three-dimensional silicon nanowire substrates, 101

Cisplatin, ototoxicity in osteosarcoma patients, study, 314

Clofarabine and decitabine combination therapy, study of synergistic effect in GFP-expressing adenocarcinoma colon cancer YB5 cell line, 97

Cobalt chloride (CoCl₂), hypoxia-mimetic, role in CREB protein regulation and ROS production, 369

Coccidioidomycosis (Cocci), case reports of, 453

Cognitive Behavioral Intervention for Trauma in Schools (CBITS), quality improvement framework for, 244

Colorectal cancer cell lines, study of, using combination treatment with kinase inhibitors, 102

Community health care worker (CHW) program in treatment of diarrhea, evaluation of effectiveness of, 338

Community hygiene clinic services, in Sultan, development, 51

Community services

- Effectiveness of community health workers in prevention of malaria in Machakos, Kenya, 490
- Enrollment of recently or soon-to-be released inmates to community health centers, 195
- Experiences of Latin American immigrant women with access to healthcare in Los Angeles, 54
- HIV services in rural Kenya, 332
- Hygiene clinic services, in Sultan, development, 51
- Intervention to treat childhood anemia in the Indian Himalayas, 334
- Johnson County interagency intervention in preventing significant bicycle related injury, 60
- Libby amphibole asbestos education in medical community of Libby, Montana, 53
- MSM/Transgendered outreach workers as community educators, 489
- Prenatal care for Alaska natives, 52
- Prevention program for teenage prescription drug abuse in Darrington, 482

Complimentary and alternative medicine, utilization of, in preschool aged children with ASD and DD, 33

Composite materials, for primary total hip arthroplasty (THA), study of use, 501

Computed tomography (CT) scanning

- Determination of renal volume, 492
- Prediction of use, 216

Congenital diaphragmatic hernia (CDH), role of chromosome 16p11.2 deletion in, 73

Congenital hypoparathyroidism, with persistent hypercalcemia, case report, 377

Congestive heart failure (CHF), biomarker candidates for, 225

Constraint induced movement therapy (CIMT), white matter organization and response to, 183

COPD, impact on exercise performance and lower extremity function in, 456

Coronary allograft vasculopathy (CAV), examination of, in cardiac transplantation, 41

Coronary artery fistulas (CAFs), review of, in infants less than 6 months old, 277

C-reactive protein (CRP), induced suppressive macrophages, characterization of, 254

Cruciate flexor tendon repair, in four-strand, comparison of locking and grasping loop configurations in, 163

Cryopreservation of sperm, effects on men undergoing cancer therapy, 320

Cuban physician attitudes, on prevention in primary care and primary care education, analysis, 325

CUP1 gene activity, mapping of chromatin dynamics in, 242

Curcumin, effect on histone acetylation and pro-inflammatory cytokine secretion under high-glucose conditions in human monocytes, 111

Cyanide (CN) toxicity, treatment using sodium 3-mercaptopyruvate dithiane (3-MPDT), 159

Cyanosis/desaturation episodes (C/DE), incidence of right-to-left shunting (R-LS) across patent foramen ovale (PFO) following, study, 287

Cycloheximide (CHX), study of mechanisms of breast cancer cells to evade stress-induced apoptosis using, 396

Cytokine/chemokine milieu, of lung, following 1-2 LD50 sarin inhalation, study, 458

Cytomegalovirus (CMV) disease, in stem cell transplant recipients, pathogenesis, 103

Cytomegalovirus (CMV) infection, and risk for development of cardiac allograft vasculopathy (CAV) after heart transplantation, 38

D

2D:4D ratio, analysis of relation with hypertension, 372

DDX4, role in regulatory mechanism of heat induced germ cell apoptosis in rat testis, 386

Decorin-induced Plasminogen/Plasmin pro-converter activity, role in axon growth/neuron survival, 182

Depression

- Examination of association with hepatitis C virus (HCV) infection in HIV-infected patients, 517
- Premedical students vs. undergraduates, 8, 483

Desire tubal ligation (TL), characteristics of women undergoing, 243

Developmental delay (DD)

- Association with hypotonia, with microdeletions of chromosome 17q12, case report, 280
- Microduplication 21q22.3 in children with, 279
- Utilization of complimentary and alternative medicine in preschool aged children, 33

Developmental massage therapy (DMT)

- Impact on mRNA levels of adipose genes involved in GR signaling, 135
- Long-term affect of, on adiposity and adipose tissue gene expression, 14
- As markers of bone growth in neonatal stress model, 134
- Role in subcutaneous adipose expression of genes involved in glucocorticoid receptor (GR) signaling, during neonatal stress, 204

Dexamethasone plus cAMP/isobutylmethylxanthine (DCI), impact on

phenotypic properties of adult type II cells, 422

DHA supplementation
Role in galactokinase mRNA levels in IUGR rat, 513
Role of maternal in DNA damage, 124

Diabetes
Endothelial dysfunction and its contribution to altered expression of enzyme in pancreatic islets, 493
And hearing impairment among African Americans and Hispanics in the United States, 494

Diabetes mellitus (type 2 diabetes)
And access to diabetes education, 346
Comparison study of single-dose basal regimens of insulin glargine vs. NPH, 119
Comparative study of bedtime insulin glargine vs. twice-daily NPH among inner city ethnic minority in, 520
Etiology of, in Pima Indians of Arizona, 72
Impact of metformin on, 391
Lowering of HbA1c levels in, through educational intervention techniques, 58
Maternal, impact on postnatal IGF-1 DNA methylation, 435
Mouse models, impact of dietary iron restriction, 113
Pathological hallmarks of, 109
Prevention program in high schools, development strategies, 342
Prevention program in juvenile population of Dillingham, Alaska, 196
Sexually dimorphic directional asymmetry in hand traits and correlation with, 203

Diabetes screening, in adults with intellectual/developmental disabilities (I/DD), 95

Diabetic dyslipidemia, A1c profile and BMI in, 393

Diabetic Nephropathy (DN), type 2
Regression using peptide-drug, 299
RGD-vault nanocapsule for drug delivery and investigation of signaling mechanisms in, 300

Diabetic retinopathy (DR), in American Indian/Alaska natives and other ethnicities, telemedicine protocol for detecting, 49

Dietary intake, evaluation of, amongst disadvantaged African youth, 92

Dihydrotestosterone (DHT), exogenous, and impact in prostate health, 4, 68

Disaster and mass casualty preparedness, in Eureka, Montana, analysis, 345

Distortion-product otoacoustic emissions level/phase maps and augmented distortion-product-grams, effects of episodes of temporary threshold shift on, 322

DNA damage, role of maternal DHA supplementation, in, 124

Doppler transvaginal examination vs. sonography, for detecting endometrial abnormalities, comparative study, 400

Down syndrome
Analysis of microchimerism in, 407
Subpleural cysts in children with, case analysis, 460

Drug-eluting stents, in ST-elevation myocardial infarction, safety and efficacy of, 371

E

Eating disorder, role of perfectionism in, 477

Ectopic Shh, role of, in Fgf-induced regeneration of ozd chicks, 2

Elbow flexion contracture, prevalence in children with brachial plexus birth palsy (BPBP), 5, 220

Elder adults, and overnight hypoglycemia, effect of sleep on recovery of, 117

Elective cosmetic surgery, evaluation of risk communication in field of, 497

Electroencephalography (EEG), impact on clinical outcomes, 142

Emergency department
Analysis of mortalities in, 190
Effectiveness of 24/7 nurse advice line in reducing non-emergency visits to, in New Mexico, 86
Non-psychiatric, systematic screening of patients for suicidality, 32
Randomized computer-based interventions for intimate partner violence, 88
Study of prevalence and association between type of alcohol drink consumed and exposure to violence, 85
Study of level of agreement between emergency physicians and consulting psychiatrists regarding management of psychiatric patients in, 83
Videolaryngoscopy (VL) vs. direct laryngoscopy (DL) for intubation of emergency department (ED) patients, 455

Emergency kits, for Afognak Island, program evaluation, 347

Enchondromas, curettage with cryosurgery for, 319

End-stage renal disease (ESRD), effects on dendritic cell subsets and basal and LPS-stimulated cytokine production, 308

Erythropoiesis stimulating agent (ESA), impact on fetal neurogenesis in dose dependent fashion, 140

Erythropoietin (Epo)
Impact on fetal neurogenesis in dose dependent fashion, 140
Neuroprotective effects of, 438

Estrogen diminution, role in cannabinoid-induced inhibition of POMC neurons, 445

Exercise treadmill tests (ETT), role in predicting prognosis in low-intermediate risk women presenting with chest pain, 370

Extremely low birth weight (ELBW), assessment of pulmonary function and exercise capacity, 1990s, 425

F

Facial beauty and proportion of lips, correlation analysis, 500

Fall prevention health education, for Yakama nation elders, 55

Family dynamics, effects of defense mechanisms on, in overweight children, 31

Ferroportin (FPN) expression, in eyes and brain, study, 161

Fetal alcohol spectrum disorders (FASD), lip/philtrum guide for diagnosis of, 274

Fetal rat lung development, effect of maternal food restriction on, 423

Fgf-induced regeneration, of ozd chicks, role of ectopic Shh in, 2

First metatarsophalangeal hemiarthroplasty, for grade 3 and 4 hallux rigidus, prospective evaluation of, 499

Fluorochrome analysis, in animal model of post-extraction radiogenic bone damage, use in molecular studies of ORN, 466

FOXE1 polymorphisms, and statistical associations with risk for cleft lip and/or cleft palate, 21

Frequency comb spectroscopy, use in measure molecules reflecting inflammation and oxidative stress in exhaled breath samples, 154

Friendly visitor program, implementation in rural community located in central Montana, review, 194

G

Gastrectomy, review of lymph node removal during, and T-staging of adenocarcinomas at UCLA, 169

Gastric adenocarcinoma, retrospective study of, 104

Germinal matrix hemorrhage (GMH) model, study outcomes of, 141

Glioblastoma
Patient outcomes, as function of radiation dose to neural stem cell niches in adult brain, 17
Role of phospho-flow as an immune monitoring assay in, undergoing immunotherapy, 145
Role of radiation therapy on neural stem cells (NCS) in progression-free survival (PFS) of patients suffering from, 100

Glioblastoma multiforme (GBM), analysis of pre-treatment MRI scans of Bevacizumab (Avastin), 144

Global Initiative For Village Empowerment (GIVE), program evaluation, 333

Glucagon-like peptide-1 (GLP-1), effect on myocardial microcirculatory function after post-resuscitation administration, 366

Glutathione (GSH) deficiency, in methylmalonic aciduria (MMA), effect of N-acetylcysteine (NAC), 78

Glutathione precursor, role in preventing high-fat diet-induced steatosis in ApoE^{-/-} mice, 116

Glybenclamide, role in thromboxane receptor dependent antithrombotic activity, 368

Granulomatous mastitis, case report of, 518

GR mRNA levels, impact due to maternal separation, 20, 112

Growth hormone-releasing hormone (GHRH) antibody, validation of, on mechanisms of radiation-induced GH deficiency, 70

Guinea pig
Cannabinoid, expression on sex steroid hormonal regulation in hypothalamus of, study, 446
Effects of non-steroidal estrogen receptor modulator STX on meal patterns and feeding behavior of, 447

H

Hand traits, sexually dimorphic directional asymmetry of, and correlation with diabetes mellitus, analysis, 203

HbA1c levels, lowering through educational intervention techniques in type 2 diabetics, 58

Head circumference (HC)
As clinical marker in children with ASD, 34
Role in predicting symptom development in children with ASD, 6

- Healthcare careers, workshop on, to decrease healthcare disparity among minorities, 57
- Healthcare industry, impact of structured visit notes (SVNs) on quality of care, 249
- Healthcare system, identification of language prevalence in California's healthcare environment, 84
- Health education
- About novel A(H1N1) influenza virus and vaccines in Davenport Washington, 488
 - Birth spacing, consequences on fetal and maternal health, 349
 - Curriculum for boarding school in the Spiti Valley region of Northern India, development, 341
 - Disease understanding among elderly women with pelvic floor disorders, 91
 - Fall prevention, for Yakama nation elders, 55
 - Food label education and healthy eating habits, in Stevenson, 352
 - Importance of family planning, Latinas in Moses Lake, 350
 - Libby amphibole asbestos education in medical community of Libby, Montana, 53
 - Low back pain, prevention and education in hispanic migrant workers of Wenatchee, 186
 - Medication adherence improvement through culturally appropriate, 197
 - Module for oral health promotion (OHP), 218
 - Neonatal jaundice, of Latinos, 198
 - Tobacco-dependence curricula in U.S. medical schools, trend analysis, 251
- Hearing health risk exposures, in northwest American Indian communities, 50
- Heart failure (HF) patients
- Assessment of gender variation in prevalence of third heart sound in hospitalized, 228
 - Association of lower BMI and diabetes in, evaluation, 227
 - Incidence of short-term memory loss in, evaluation, 226
- Heart transplantation
- Accommodation after, 40
 - Biopsies, C4d or C3d positivity as marker of outcome in, 39
 - Effect of height mismatch on outcome, 47
- Heat shock protein 70 (HSP70)
- Expression at ICU admission and mortality rate, 25
 - Level in ICU patients, 155
- Heat shock proteins, role in developing hyperoxia-tolerant (HT) rats, 454
- Height mismatch, effect on outcome after heart transplantation, 47
- Heme oxygenase-1 (HO-1)
- Age-dependent expression of post oral administration of zinc bis glycol porphyrin (ZnBG), 209
 - Molecular mechanisms of, 367
- Heme oxygenase (HO), inhibiting activity of, role of zinc bis glycol porphyrin (ZnBG) in heme-loaded newborn mouse, 139
- Hemodialysis, effects on dendritic cell subsets and basal and LPS-stimulated cytokine production in ESRD, 308
- Heparin-binding epidermal growth factor (HB-EGF), role in early atherosclerosis, 44
- Hepatitis A and B prevention program, in Washington State Penitentiary, evaluation, 487
- Hepatitis B (HBV) infection, efficacy of protocols-lamivudine (LAM) monotherapy and LAM+Hepatitis B Immunoglobulin (HBIG) combination therapy, 11
- Hepatitis C virus (HCV), evolutionary adaptations of, 268
- Herpes simplex virus type-1 (HSV-1), role of chemically synthesized peptides and peptoids in cell culture, 272
- HFF1 Fibroblast cells, use of collagen scaffolds for seeding of, 468
- High-definition (HD) video technologies, functional assessment of, 472
- High-density lipoprotein (HDL)
- Impact on properties due to inflammation, 43
 - Mimetic peptides of, and anti-inflammatory properties, 7, 42
- Hip prostheses, evaluation of influence on proton radiation therapy for prostate cancer treatment, 310
- HIV-associated neurocognitive disorders (HAND), persistent elevated human immunodeficiency virus DNA levels in CD14+/CD16+ monocytes in patients with, 152
- HIV-infected patients, examination of association of depression with hepatitis C virus (HCV) infection in, 517
- HIV infection, as risk factor for epidermoid anal cancer (EAC), analysis, 316
- HIV related Pulmonary Arterial Hypertension (HIV-PAH), presence of epigastric pain in, case report, 373
- H3K18ac histone modifications, role in cellular differentiation, 200
- 11 β HSD1 levels in rats, impact due to maternal separation, 20, 112
- 11 β HSD2 mRNA expression, kidney, role of IUGR in regulation of, 129
- Human embryonic stem cell-derived cardiomyocytes (hESC-CMs), quantitative contractile characteristics, 46
- Human eyes, study of compliance of phacoemulsification systems on, 508
- Human foreskin fibroblasts (hFFs), suspended, study of inducing de novo collagen production by in 3D fibrin gels, 461
- Human induced pluripotent stem cell-derived cardiomyocyte (hiPSC-CM), quantitative contractile characteristics, 46
- Human islet amyloid polypeptide, on autophagy in pancreatic beta-cells, effect of 384
- Human mesenchymal stem cells (hMSCs), role of polymethylmethacrylate (PMMA) particles in inhibition of human mesenchymal stem cell differentiation into osteoblasts, 26
- 25-Hydroxy vitamin D (25OHD), analysis using LC-MS/MS method, 382
- Hyperaldosteronism, primary, use of database to identify outpatients with resistant hypertension for, 252
- Hyperammonemia, severe, as initial presentation in long chain fatty acid oxidation defects (LCAOD), 77
- Hyperoxia-tolerant (HT) rats, role of heat shock proteins, 454
- Hypertension, analysis of relation with 2D:4D ratio, 372
- Hypervitaminosis D and recurrent nephrolithiasis, case report of, 71
- Hypoglycemia
- Fetal, insulin secretion in late gestation ovine, 137
 - Overnight, effect of sleep on recovery of, 117
- Hypogonadism
- Effect of testosterone (T) on pathogenesis of non-alcoholic fatty liver disease (NAFLD) of, 10, 64
 - Role of testosterone in reducing prostate size and symptoms of benign prostatic hyperplasia (BPH) in, 67
- Hypopituitarism, role of testosterone in women sexual function with, 378
- Hypoplastic left heart syndrome (HLHS), hybrid approach for, 173
- Hypoxia inducible factor 1 α (hif-1 α), role in regulating neutrophil extracellular trap (NET) formation in model polymorphonuclear leukocytes (PMN), 255
-
- Icliclick™ technology, assessment of student's perspective on utility of, 505
- ICU admission, heat shock protein 70 (HSP70) expression at, and mortality, 25
- Idiopathic dilation (ID) of ascending aorta (AA), in children, analysis of findings, 232
- Idiopathic Retroperitoneal Fibrosis (RPF) associated with hypogammaglobulinemia, case report, 265
- Imatinib mesylate, influence on bone marrow-derived dendritic cells, 133
- Immigration, health needs of African immigrants in California, 56
- Immunohistochemical staining protocols, for testing accuracy of stereotactic proton radiosurgery in rat brain, 143
- Immunotherapy, role of phospho-flow as an immune monitoring assay for glioblastoma patients undergoing, 145
- Incisional hernia recurrence rates (IHRR), study of impact of suture fixation in patients during IH repair with mesh, 462
- Inclusion body myopathy associated with Paget's disease of bone and frontotemporal dementia (IBMPFD), detection of signal pathways in VCP associated with, 81
- Inflammasome-activated proteins (IL-33), role in cisplatin-induced acute kidney injury (CISAKI), 301
- Inflammatory arthritis (IA), comparative study of diagnostic accuracy of questionnaire and autoantibody testing, 414
- Inflammatory fibroid polyps (IFP), evaluation of, causing gastric outlet obstruction in neonatal period, 219
- Infliximab, effect on long-term colectomy rates in ulcerative colitis patients, 239
- Insulin-like growth factor-1 (IGF-1)
- Impact of intrauterine growth restricted (IUGR) in postnatal rat heart, 131
 - Role in endotoxin induced cachexia, 388
- Insulin-like growth factor binding protein-3 replacement, effect on gonadotropin releasing hormone-antagonist induced male germ cell apoptosis in insulin-like growth factor binding protein-3 knockout mice, 385
- Insulin resistance-associated parameters with sugar-sweetened beverage (SSB) intake and physical activity (PA) levels in ethnic groups, evaluation, 214
- Intermittent hypoxia (IH), impact on sleep, 114

Intimate partner violence (IPV)
 Computer-based interventions for, 326
 Female, study of victims in Malawi, 36
 Intraarticular joint injections, study of
 sonographic needle guidance in clinical
 outcomes of, 263
 Intrauterine growth restricted
 (IUGR) models
 Effect on cannabinoid receptor-1 (CB1)
 agonists expression in rat brains, 434
 Effect on mRNA and protein levels of
 Setd8, 433
 Effect on retinol binding protein 4
 (RBP4) expression of, 69
 Impact on glucocorticoid downstream
 signaling in rat bone in an age and
 gender specific manner, 132
 Impact on insulin-like growth factor-1
 (IGF-1) expression in postnatal rat
 heart, 131
 Impact on insulin-stimulated
 proliferation in fetal myocytes, 130
 Impact on retinoic acid receptor gene
 expression in developing rat lung, 418
 Role in regulation of kidney 11 β HSD2
 mRNA expression, 129
 Role in expression of genes involved in
 l-arginine metabolism in lung, 424
 Role of DHA supplementation in
 galactokinase mRNA levels in, 513
 Role of maternal DHA supplementation
 in adiponectin expression, 115
 Transient receptor potential vanilloid 4
 (TRPV4) expression in, 125
 In vivo and ex vivo models of enhanced
 adipocyte differentiation in, 110
 Irreversible electroporation (IRE) therapy, for
 Rabbit VX2 liver tumor, study, 312
 Isolated small bowel segments, mechanical
 lengthening using spring force, study, 362

J

Job syndrome of hyper-IgE, B cell lymphoma
 in and recurrent infections in, analysis, 411
 Juvenile justice system, as focus of discussion
 to understand interplay of psychiatry and
 law, 37

K

Kabuki Syndrome, in patient with autism
 spectrum disorders (ASD) and cervicofacial
 venous malformation, 35
 Killer DC (KDC), role in inhibiting conversion
 of naive T cells to Treg, 395
 Kinase inhibition therapy, for colorectal cancer,
 study, 102
 Kruppel-like factor 4 (KLF-4), examination of
 expression in human fetal skin, 437

L

Lactobacillus feeding, role in CD8a+
 intraepithelial cells in intestine of suckling
 mice, 290
 Lamivudine (LAM) monotherapy vs. LAM+
 Hepatitis B Immunoglobulin (HBIG)
 combination therapy, efficacy of, 11
 Laparoendoscopic single-site surgery (LESS),
 hand-assisted, potential of, 354
 Laparoscopic cholecystectomy, outcomes of,
 acute cholecystitis, 365

Late-life depression, in primary care, activity
 scheduling for, 480
 Latent autoimmune diabetes of adults (LADA),
 criteria for diagnosis of, 118
 Late preterm infant morbidities, characteristic
 and trends of, 293
 Left ventricular assist device (LVAD),
 successfully weaned from,
 echocardiographic history of young
 children, 230
 Left ventricular pseudoaneurysm, as late
 complication of an acute myocardial
 infarction, case report, 374
 Lens epithelium, of HAR transgenic animals,
 study of cell proliferation in, 495
 Lesioneectomy, with and without intraoperative
 electrocorticography in children with
 lesional epilepsy, seizure outcomes of, 178
 Lidocaine, effectiveness of, following
 out-of-hospital resuscitation, 48
 Liver IGF-1 mRNA expression
 Impact of mechanical ventilation mode, 13
 In mechanical ventilation of preterm
 lambs, analysis, 294
 Liver sinusoidal endothelial cell (SEC)
 phenotype, regulation and therapeutic
 implication of, 234
 Liver transplantation, analysis of duration of
 red blood cell storage and potassium
 concentrations during adult, 164
 Liver transplant recipients without Hepatitis B
 (HBV) infection, review of
 immunoprophylaxis regimens, 237
 Locking and grasping loop configurations
 using fiberwire in four-strand cruciate
 flexor tendon repair, comparison of, 163
 Long chain fatty acid oxidation defects
 (LCFAOD), and severe hyperammonemia
 as initial presentation in, 77
 Long segment Hirschsprung's disease (LSHD),
 pre-biopsy contrast enema delay in
 diagnosis of, 241
 Lungs, vasoactive properties of surfactants on, 22
 Lupus T lymphocytes, Ras signal transduction
 in, 260
 Lymphatics, role in metastasis of melanoma, 402

M

Magnetic Evoked Potential (MEP), whole limb
 vibration effect on, 184
 Malignant melanoma resection defects, using
 acellular dermal replacement,
 reconstruction of, 315
 Malignant pleural mesothelioma (MPM), fast
 neutron radiotherapy in treatment of, 399
 Manic illnesses, reproducibility and prevalence
 of auditory gating deficits in, 179
 Marfan syndrome, microduplication 21q22.3 in
 children with, 279
 Margron femoral stem, in total hip arthroplasty,
 study of complications, 364
 Massively parallel DNA sequencing platforms,
 use of molecular inversion probes (MIPs) to
 capture human exons for next-generation, 75
 Maternal and neonatal outcomes, of hospital
 deliveries, western Nepal, study, 511
 Maternal DHA supplementation
 Role of, in adiponectin expression, 115
 Role of, in DNA damage, 124
 Maternal food restriction, on fetal lung alveolar
 extracellular matrix deposition and long

term pulmonary function in experimental
 rat model, effects of, 436
 Maternal low protein diet (MLPD), impact of,
 in developmental programming of
 renin-angiotensin system (RAS) in heart, 45
 Maternal mortality, in WWAMI, analysis, 246
 Maternal separation, impact on adult adipose
 dysregulation and 11 β HSD1 and GR
 mRNA levels in rats, 20, 112
 Maternal zinc deficiency (MZD), effect on
 hypomethylation within IGF-1 promoter 2
 region, 512
 Matrix averaging methods, influence on
 stereotactic localization accuracy, 107
 Maxillomandibular fixation (MMF), in securing
 occlusion in simple mandible fractures,
 retrospective clinical study of, 360
 Mechanical ventilation mode, impact of, on
 liver IGF-1 mRNA expression, 13
 Medical malpractice, systems thinking
 approaches to prevent, 521
 3-Mercaptopurinate dithiane, differential
 effects on brain and muscle tissue in
 treatment of sub-lethal cyanide toxicity in
 rabbit model, 153
 Merkel cell carcinoma (MCC), intratumoral
 CD8 T cell infiltrate predicts survival in, 96
 Metal-metal (MM) hips, study of reactions to
 solid corrosion products and "drop-like"
 inclusions in, 464
 Metastatic osteosarcoma (OS), study of
 protease-activated receptor 1 (PAR1)
 upregulation in, 106
 Metformin, impact on type 2 diabetes (DM2),
 391
 Methicillin resistant Staphylococcus aureus
 (MRSA), screening necessity for, 247
 Methylmalonic aciduria (MMA), effect of
 N-acetylcysteine (NAC) on glutathione
 (GSH) deficiency in, 78
 Microchimerism, in Down syndrome, study, 407
 Microduplication 21q22.3, in children with
 47,XYY karyotype, Marfan syndrome, and
 developmental delay, 279
 Microtubule Associated Serine/Threonine
 Kinase 205 (MAST205), analysis of
 interaction with G α i, 387
 Mild traumatic brain injury, study of early
 metabolic changes revealed by 3D magnetic
 resonance spectroscopic imaging at 3T, 147
 Mimetic peptides, of high-density lipoprotein
 (HDL) and anti-inflammatory properties,
 7, 42
 Mitochondrial disorders, redox and metabolic
 abnormalities in, 82
 MMP-12, expression profile in mouse cornea,
 416
 Molecular Inversion Probes (MIPs), potential
 of, to capture human exons for
 next-generation massively parallel DNA
 sequencing platforms, 75
 Monocyte chemoattractant protein-1 (MCP-1),
 role in liver regeneration, 405
 Morgellons disease, development of case
 definition, 390
 Morphology, role in surgical treatment of
 adolescent bunions, 473
 Mortality, and heat shock protein 70 (HSP70)
 expression at ICU admission, 25
 Mouse cornea, expression profile of MMP-12
 in, 416
 Multiple sclerosis (MS), proinflammatory and
 down-regulatory cytokine concentrations in
 patients with, 412

Multi-signal activation of cellular responses, in multiple biological systems, quantitative characterization of, 321

Musculoskeletal injury, effects of alcohol on recovery from fractures and dislocations, analysis, 329

N

N-acetylcysteine (NAC), effect on glutathione (GSH) deficiency in methylmalonic aciduria (MMA), 78

Nanoclusters of noble metals, application in nanomedicine, 327

Nanoparticles, in environment, elemental analysis using scanning electron microscopy and energy-dispersive x-ray spectroscopy, 210

Nasal Respiratory Support (NARES), in preterm infants, evaluation, 429

Necrotizing enterocolitis (NEC)

In rat pups, nitrite supplementation for prevention of, 291

Role of induction of paneth cell antimicrobial products in, 289

In term infants, case report, 459

Needlescopic surgery, limitations and benefits of, 361

Neonatal lung research, evolutionary approach in, 121

Neonatal Resuscitation Program (NRP)

Expert modeling vs. learner modeling, 295–296

Skill degradation vs. ineffective teaching, 297

Neural embryonic stem cells, proliferation and survival of cultured, 177

Neural stem cells (NCS), role of radiation therapy on, in progression-free survival (PFS) of patients suffering from glioblastoma, 100

Neurofibromas, of scalp, case series, 502

Neuropilin-1 (NRP-1), role in angiogenesis, 167

Neutrophils, innate immune activity of, against propionibacterium acnes, 256

Newborn Intensive Care Unit (NICU), development of tool for rapid triage of, 298

Nicotine exposure, in utero, effect on global parathyroid hormone-related protein signaling, 432

A7 nicotinic receptor expression, decreased, contribution to schizophrenia-associated immune dysregulation, 180

Niemann-Pick type C disease (NPC), impact of deregulation of p53 in abnormal axon development in, 449

Nitric oxide (NO) metabolism, in fetal and adult plasma, 160

Nitrite supplementation, for prevention of necrotizing enterocolitis (NEC), in rat pups, 291

Non-microbial vaccines, phenocopy viral immune responses using, 270

Non-psychiatric emergency department, systematic screening of patients for suicidality, 32

Nutrient deficiency, in rural Himalayan community, analysis, 337

Nutritional awareness, and empowerment in India, implications of making multimix recipes, 331

Nutrition, homemade version, in Glendive, study, 343

O

Obesity

loss of weight and reversibility of hyperthyrotropinemia in children, analysis, 212

Role of 2D:4D ratios as markers of, 205

Occludin, role in intestinal epithelial tight junction barrier, 235

Oculocerebrocutaneous syndrome (OCCS), case report, 278

Omega-3 fatty acids to omega-6 fatty acids, study of effects on platelet function, 311

Oncostatin M (OSM), effect on HIF1 α in mouse mammary tumors, 403

Orofacial clefts

Analysis of genetic variation within FOXE1 and risk for, 275

And statistical associations with FOXE1 polymorphisms, 21

Osteoblasts, inhibition of human mesenchymal stem cell differentiation due to polymethylmethacrylate particles, 166

Osteogenesis, effect of modulation of ionic strength to mechanical properties of fibrin gels for, 170

Osteogenesis Imperfecta Registry, characteristics of, 351

Osteopenia, and bone mineral density (BMD), analysis of reference standards for US white and North Indian or South Indian populations in diagnosis of, 392

Osteoporosis, and bone mineral density (BMD), analysis of reference standards for US white and North Indian or South Indian populations in diagnosis of, 392

Ototoxicity, as predictor of tumor response to therapy with cisplatin, study, 314

Overweight children, effects of defense mechanisms on self esteem and family dynamics in, 31

Oxidative stress and inflammation, role of impaired NRF2-KEAP1 pathway in CKD-induced, 306

P

Palliative services, racial differences in, in the Seattle area, 89

Pancreatic renin-angiotensin system, role in diabetes in offspring of protein deprived mothers, 207

Pandemic Influenza A (H1N1), clinical features and outcomes in children, 2009, 271

Parathyroid hormone-related protein (PTHrP), role in intestinal epithelial cell apoptosis in pathogenesis of necrotizing enterocolitis, 236

Patent ductus arteriosus (PDA), in preterm infants, evaluation of serial B-type natriuretic peptide levels, 285

Pathological gambling, Wenatchee, assessment of rates of, 485

PD-L1 expression, in systemic lupus erythematosus (SLE), 18

Pediatric arachnoid cysts, examination of growth patterns, 150

Pediatric cardiomyopathy, guidelines for diagnosing, 376

Pediatric renal transplant patients, safe transition method of, 231

Pediatric residents, research curriculum for improving research knowledge and skills of, 323

Pelvic floor disorders, elderly women, health literacy and disease understanding among, 91

Pentasomy X syndrome, medical and developmental features of, 28

Peripartum cardiomyopathy (PPCM), prenatal, case report of, 229

Personal health records (PHR), development of, for orphaned children and youth in Kampala, Uganda, 217

Pfeiffer syndrome (PS), role of fetal ultrasound and prenatal molecular diagnosis in determining, 283

Phonocardiography, evaluation of use of, as tool for increasing accuracy amongst pediatric housestaff in murmur characterization and identification, 233

Phosphate wasting osteomalacia with elevated FGF-23 without clinically evident tumor, case of, 62

Phospho-flow, role as an immune monitoring assay in immunotherapy, 145

Phospholipids, in bronchoalveolar lavage fluid (BALF) of COPD patients, 3

Photovoice project, Ugandan orphanage, validation of, 339

Physiological Strain Index (PSI), comparative study with Hazmat and other operational exercises, 519

Pigmentary dysplasia, SPRED1 and NF1 exon 22 analysis of individuals with, 276

Platelet activating factor (PAF), preterm, impact on differential phosphorylation of Raptor protein following stimulation, 257

P38 mitogen-activated protein kinases (MAPKs), role in mediating neuropathic pain, 24, 448

Poly(*N*-isopropylacrylamide) (pNIPAAm), characterization of, 389

Polymethylmethacrylate (PMMA) particles, role in inhibition of human mesenchymal stem cell differentiation into osteoblasts, 26, 166

Polymorphonuclear leukocytes (PMN), and formation of NETs, role in inflammatory tissue damage, 258

Post-cardiac arrest syndrome (PCAS), management using early goal-directed therapy (EGDT) and therapeutic hypothermia (TH), 156

Posterolateral corner reconstruction of knee, kinematics of, 471

Postpartum depression (PPD), intervention for reducing, among immigrant Latina women, 353

Post Traumatic Stress Disorder (PTSD) Development and characterization of mouse model of, 442

Effect of predatory odor exposure and development of, 441

Mouse model for assessment of avoidance behavior, 175

And Susto, ethnopharmacological and pharmacological treatments for, 481

Posttraumatic vasospasm (PTV), risk factors for, 146

PPAR γ agonist, effect on perinatal nicotine exposure-induced alterations, 427

8p23.1 phenotypes, behavioral and attention disorders in individuals in, 515

Prader-Willi Syndrome, and frequency of twinning with and without Assisted Reproductive Technology (ART) Births, 1, 282

Prdm1 and Prmt5, role in murine primordial germ cell differentiation, 9, 430

Pregnancy, role of maternal muscle mass and/or body mass index (BMI) in antioxidant gene expression and markers of oxidative stress in placenta, 199

Preschool-aged children, community efforts for increasing physical activity among, 193

Preterm (PT) neonates

- Alveolar simplification and molecular changes following mechanical ventilation in, 419
- Effect of late doses surfactant in ventilated, 426
- Impact of positive pressure ventilation (PPV) in early lung injury during critical stage of lung development, 420
- Impact of vitamin A (VitA) therapy on lungs, 421
- Nasal Respiratory Support (NARES), effect on, 429
- Role of arcanoembryonic cell adhesion molecule 6 (CEACAM6) in lung fluid, 428

Primary graft dysfunction (PGD), and long-term outcomes in cardiac transplantation, 41

Prolonged mechanical ventilation (MV), impact on apoptosis of reactive astrocytes in cortical white matter, 136

Propionibacterium acnes, innate immune activity of neutrophils against, 256

Prostate cancer, evaluation of quality of end-of-life care in low-income, uninsured men dying of, 93

Prostate health, role of exogenous dihydrotestosterone (DHT) in, 4, 68

Proton MR spectroscopy (MRS), evaluation of global hypoxic-ischemic brain injury in adults using, 451

Proton pump inhibitors (PPIs), treatment outcome in gastroesophageal reflux disease (GERD), 238

Proton radiation therapy

- Evaluation of hip prostheses on influence of, for prostate cancer treatment, 310
- Hypofractionated, evaluation of uncertainty of prostate position relative to CT-planned position during, 108

Proximal renal tubular acidosis (pRTA) and pancreatitis, case report of 2 year old girl, 514

P50 sensory gating, in preschoolers, evaluation of, 181

Psoriatic arthritis (PsA), environmental factors contributing development of, 415

Pulmonary artery (PA) contractility

- Alpha adrenergic receptor (AR) dependent, impact of maturation and chronic hypoxia (CH), 126
- Role of calcium-activated chloride channels (ClCa), 122

Pulse oximetry, analysis of accuracy of readings in newborns, 439

Pyoderma gangrenosum, of finger in pediatric patient, case report, 357

Q

Quantitative characterization, of multi-signal activation of cellular responses in multiple biological systems, 12

R

Rabbit VX2 liver tumor, irreversible electroporation (IRE) therapy for, study, 312

Rab26, functions in renal epithelial primary cilium, 23, 302

Radiation exposures, in insured and uninsured patients presenting with single stone episode, determination of, 90

Radiation fluoroscopy protocol, reduced, vs. conventional fluoroscopy during uncomplicated ureteroscopy, 165

Radiation-induced GH deficiency, effect of AB-16AP on, 70

Radiation therapy, impact on neural stem cells (NCS) in progression-free survival (PFS) of patients suffering from glioblastoma, 100

Radiotherapy, targeted, of stem cell niches in adult brain and patient clinical outcomes, 17

Randomized clinical trials, reporting of continuous outcome measures in, 16, 253

RASSF1C interacting proteins, identification of, 105

Recurrent nephrolithiasis and hypervitaminosis D, case report of, 71

Red blood cell transfusion, evaluation of use in critically injured pediatric patient population, 457

Renal transplant patients, monitoring non-compliance and graft rejection in pediatric, using blood immunosuppressant levels, 309

Renal tumors, small, percutaneous radiofrequency vs. cryoablation therapy, 172

Renin-angiotensin system (RAS), impact of maternal low protein diet (MLPD) in developmental programming of, in heart, 45

Reserpine, dose-related effect on blood pressure, study, 394

Retinoic acid (RA) regulation, of NIS through PI3K in breast cancer, role of PAK1 and PAK2, 63

Retinol binding protein 4 (RBP4), effect of IUGR on expression of, 69

Robotic radical prostatectomy (RP), analysis of outcomes, 355

Rosiglitazone and AM580, effects on B cell CD1d expression and NKT cell frequency, 259

Rosiglitazone (RGZ), impact on metabolic profile and phenotype, 128

S

Scarless microport augmented restoration of triangulation (SMART) surgery, evaluation, 359

Sciatic nerve ligation (SNL), astrocyte proliferation following, 24

Self esteem, effects of defense mechanisms on, in overweight children, 31

Sex chromosome aneuploidy (SCA), attention problems, distractibility, hyperactivity, and impulsivity in children and adolescents with, 29

Single nucleotide polymorphisms (SNPs), role in contributing type 2 diabetes mellitus in Pima Indians of Arizona, 72

Sleep apnea, impacts on adult male Sprague Dawley rats, 114

Sleepiness

- Study of incidence in health care providers, 516

Training to avoid, among medical house staff, 250

Smoke exposure

- Impact on surfactant protein D and phospholipid levels in COPD patients, 158
- Second-hand, detrimental effects in Wyoming, 61

Smoking behavior and levels of phospholipids and SP-D in bronchoalveolar lavage fluid (BALF) of COPD patients, 3

Sodium iodide symporter (NIS), regulation of, in breast cancer, 63

Sodium 3-mercaptopyrivate dithiane (3-MPDT), efficacy in treatment of cyanide (CN) toxicity, 159

Solid organ transplant patients, incidence of head and neck cancer in, 318

Sonic hedgehog (Shh) regulation

- During limb development, role of HOX-binding sites in B3, 201
- Role in limb regeneration, 202

Sonographic needle guidance

- Clinical outcomes in intraarticular joint injections, study of, 263
- Study of improvement in accuracy of intraarticular injections of knee, 264

Sonography, determination of changes in length and thickness of supraspinatus tendon using, 467

Sports medicine-based educational intervention, for elite pre-professional ballet dancers, feasibility and effectiveness of a, 348

Stereotactic CT localization accuracy, influence of matrix averaging methods, 107

Stereotactic proton radiosurgery, in rat brain, immunohistochemical staining protocols for testing accuracy of, 143

Student burnout, in healthcare professions, web-based interventions for, 476

Student's opinion

- Of online diagnosis X cases of Fluids, Electrolytes, Renal, and Genitourinary (FERGU) block within undergraduate medical curriculum, analysis, 504
- On project sustainability, analysis, 330
- On utility of iclicker™ technology, assessment, 505

STX, effects on meal patterns and feeding behavior of guinea pigs, 447

Suicidality, systematic screening of patients for, in non-psychiatric emergency department, 32

Sun-safety education program, Glasgow Public Pool, evaluation, 484

Surfactant adsorption, in vitro, role of surfactant proteins, 120

Surfactant protein D (SP-D), in bronchoalveolar lavage fluid (BALF) of COPD patients, 3

Surfactants

- Effect of late doses in ventilated premature infants, 426
- On lung and systemic arteries, 127
- Vasoactive properties of, 22

Surgical education learning resources, evaluation of pilot project for medical students in developing, 506

Surgical planning, using magnetic resonance imaging visuals for cases of aberrant anatomy, 503

Surgical residents, junior, study of handling practices of, 470
 Surrogate consent, ethical issues with, for research involving decisionally impaired adults, 452
 Susto and post-traumatic stress disorder, ethnopharmacological and pharmacological treatments for, 481
 Systemic lupus erythematosus (SLE)
 Aortic stiffness (AoS) in, as an independent cause of LV diastolic dysfunction (DD), study, 221
 B cells, pediatric, CCR7 expression in, 409
 Evaluation of LA appendage (LAA) in left ventricular (LV) diastolic dysfunction (LVDD), 223
 Lambli's excrescences (LEx) in, study, 222
 Mechanism of PD-L1 dysregulation in, 18
 Myocardial disease as cause of left ventricular (LV) diastolic dysfunction (DD) in, study, 510
 Neuropsychiatric, magnetic resonance imaging and brain histopathology in, 413
 Neuropsychiatric, study of cerebral blood flow (CBF) in patients with, 224
 Role of plasma in monocyte programmed death ligand-1 expression in juvenile, 410
 X-linked androgen receptor gene polymorphism in males with, 408

T

Tele-education, transcultural medical education, evaluation, 324
 Telemedicine protocol, for detecting diabetic retinopathy (DR) in American Indian/Alaska natives and other ethnicities, 49
 Testosterone (T)
 With Dutasteride, effects on insulin sensitivity in obese men, 379
 Effect of experimentally-induced testosterone deficiency on insulin resistance in normal men, 380
 Effect on pathogenesis of non-alcoholic fatty liver disease (NAFLD) of hypogonadism, 10, 64
 Impact of supplementation in molecular mechanisms of aging-associated sarcopenia, 65
 Mechanism in model of preterm birth, 149
 Role in women sexual function with hypopituitarism, 378
 Role of, in reducing prostate size and symptoms of benign prostatic hyperplasia (BPH) in hypogonadism, 67
 Supplementation impacts in molecular mechanisms of aging-associated sarcopenia, 65
 Tetralogy of Fallot, clinical review of new millennium cases of, 507
 Tetrasomy X syndrome, medical and developmental features of, 28
 Thawing methods, on nutritional qualities of human milk, effects of, 292

Therapeutic hypothermia (TH), impact in comatose patients with return of spontaneous circulation (ROSC) after cardiac arrest, 156
 Three-dimensional imaging technology, review of, 171
 Tobacco consumption
 In bipolar disorder, 478
 In Spiti Valley region of northern India, 335
 Tobacco exposure, study of influence in alcohol consumption in C57/BL6 mice, 443
 Toll-like receptors (TLRs), effect in regulating cytokines expression, endoplasmic reticulum stress (ERS) gene and metabolic gene transcriptions in obese human adipose tissues, 381
 Transthyretin (TTR), effect of IUGR on expression of RBP4 and, 69
 Treadmill heat-stress testing, potential of, in primary care settings, 87
 Trichomonas vaginalis, identification of proteins in host-pathogen interactions, 19, 266
 TSH stimulation, on thyroglobulin suppression in papillary thyroid cancer patients, effect of, 383
 Tuberculosis (TB)
 Evaluation of factors associated with poor outcomes and treatment failures, 491
 In infants, case report, 440
 Tumor-induced osteomalacia (TIO), case report, 62
 Type 2 diabetes mellitus, etiology of, in Pima Indians of Arizona, 72
 Type VI secretion system (T6SS), in Burkholderia thailandensis (BT), evaluation of virulence loss and, 269

U

UBC Students' Global Health Initiative, evaluation of, 336
 Uncoupling protein-1 (UCP-1), effect in perirenal adipose tissue in late gestation ovine fetus, 208
 Universal Newborn Hearing Screening (UNHS), study of identification of barriers experienced by rural/underserved families during screening process, 191
 Ureteroscopy
 Comparison of reduced radiation fluoroscopy protocol with conventional fluoroscopy during uncomplicated, 165
 Fluoroscopic organ and tissue specific radiation exposure by sex and body mass index during, 168
 Urinary incontinence, evaluation of management of intractable bladder neck contracture in, 509

V

Vascular endothelial growth factor (VEGF), analysis of expression of, in human meningioma under hypoxic conditions, 444

Venous blood gas and arterial blood gas measurements in healthy young adults, correlation analysis, 162
 Venous thromboembolism (VTE), frequency in postoperative gynecologic surgery patients, analysis, 404
 Ventral hernia repair, pre-operative serum albumin level as risk factor for post-operative complications in, analysis, 363
 Very Low Birth Infants (VLBWI), two dimensional echocardiographic (2DE) indices and B-type Natriuretic peptide (BNP) of left ventricular performance in, 286
 Videolaryngoscopy (VL), comparative study with direct laryngoscopy (DL) for intubation of emergency department (ED) patients, 455
 Video production, as learning tool for surgical education, analysis, 498
 VitA+all-trans retinoic acid (VA+RA) therapy, role in alveolar formation in preterm lambs managed by mechanical ventilation, 123
 Vitamin D receptor (VDR), expression in breast cancer stem-like cells, 66
 Vitamin D, role in cell differentiation, 305
 Vitronectin, examination of profibrotic effects using UO model on wild type (WT) and vitronectin knockout mice (Vn-/-), 307
 Vogt-Koyanagi-Harada syndrome, case report of, 262

W

Weight management program, for physical, social, and behavior changes in overweight children, evaluation, 213
 Wnt-signaling pathway, regulation mechanism in osteosarcoma (OS) cell lines, 167

X

47,XYY karyotype, microduplication 21q22.3 in children with, 279

Y

Yoga, health care improvement with, 189
 Young South Asian and Middle Eastern women, sexual behavior and preventive health attitudes amongst acculturated, 474

Z

Zinc bis glycol porphyrin (ZnBG)
 Age-dependent expression of heme oxygenase-1 (HO-1) post oral administration of, 209
 Role in inhibiting heme oxygenase (HO) activity in heme-loaded newborn mouse, 139
 In vitro potency of, on liver tissue following heme load, 138