

3β-Adiol, prostate cancer biomarker, #414 p.46–50
 5-Methyltetrahydrofolate, schizophrenia, #415/416 p.47

A

Abdominal pain, probiotics for children, #417 p.41
 Acetaminophen, liver damage, #419 p.22
 Acupuncture Meridian Assessment, post-Lyme syndrome, #420 p.66–7
 Acute myelocytic leukemia, statins, #418 p.22–3
 Addiction, digital devices, #423 p.18
 Adolescents, holistic care, #417 p.72–3
 Adrenal fatigue, #415/416 p.72
 Aging, autophagy, #425 p.33
 Aging, insulin homeostasis, #419 p.54–9
 Aging, mitochondria, #425 p.64
 Aging, play, #425 p.32+
 Air pollution, low birth weight, #419 p.84–5
 Alcoholism, naltrexone, #424 p.6+
 Ali, Ather, ND, MPH, #419 p.61–3
 Allergic rhinitis, *Bifidobacterium*, #417 p.27
 Allergies, diagnostic tests, online, #417 p.52–5
 Allergies, gastrointestinal tract, #417 p.86–8
 Allergies, immunotherapy, #417 p.10
 Allergies, nanoparticles, #417 p.26+
 Allergy Research Group, Levine, Stephen, PhD, online, #420 p.2
 Alpha lipoic acid, cancer, #421/422 p.39–43
 Alpha-lipoic acid, mitochondrial dysfunction, #419 p.22
 Alpha lipoic acid, neurodegenerative disease, #423 p.49–57
 Alpha lipoic acid, schizophrenia, #423 p.59+
 Alpha-tocopherol, gamma-tocopherol balance, #419 p.36+
 Alstat, Ed, RPh, ND (obituary), #420 p.30
 Alzheimer's disease, folate, B12, homocysteine, #424 p.42–6
 Alzheimer's disease, hyperbaric oxygen therapy, online, #417 p.30–4
 Alzheimer's disease, lithium, #423 p.10+, #423 p.77–81
 Amino acids, food addictions, online, #424 p.58–63, #424 p.88
 Analgesics, risks, #424 p.64–6
 Angina, strophanthus, #418 p.57–9
 Angioplasty, stable coronary disease, #425 p.45–7
 Animal-human hybrids, organ transplants, #418 p.73–6
 Ankylosing spondylitis, vitamin D, online, #425 p.51–4
 Anthocyanins, platelet aggregation, #418 p.35
 Antibiotic resistance, herbicides, #420 p.21+
 Anti-Müllerian hormone, polycystic ovarian syndrome, online, #415/416 p.58–9
 Antioxidants, coffee, #417 p.18+
 Anxiety, cannabis therapy, online, #420 p.49–53
 Applied kinesiology, headaches, online, #419 p.69–73
Arnica, head injury, #417 p.76
 Aromatase inhibitors, vitamin B12, #425 p.36
Artemisia annua (sweet wormwood/Qinghao), Lyme disease, online, #420 p.68–71
Artemisia annua, Lyme disease, #420 p.12
 Artesunate, chronic infections, #420 p.62–5
 Arthritis, boron, #417 p.80–1
 Ascor®, FDA approval, online, #414 p.21–3
 Ascorbic acid (See also Vitamin C)
 Ascorbic acid (injectable), manufacturing, #414 p.15
 Ascorbic acid (injectable), McGuff Pharmaceuticals, online, #414 p.21–3
 Aspirin (low-dose), risk, #418 p.33
 Asthma, fish oil, #414 p.42
 Asthma, intravenous magnesium, #417 p.39+
 Asthma, mold, #418 p.63–6
 Atherosclerosis, vitamin K2, #418 p.84
 Athletic performance, beetroot juice, #417 p.40+
 Atopic dermatitis, probiotic, #417 p.39
 Atopic dermatitis, vitamin B12, #417 p.39
 Atrial fibrillation, strophanthus, #418 p.57–9

Attention deficit hyperactivity disorder, bisphenol A, online #421/422 p.31
Aurum metallicum, methotrexate chelation, #414 p.83–4
 Austin, Steve, ND (obituary), #420 p.14–15
 Autism, mold exposure, online, #423 p.33–6+
 Autoimmune disease, cannabis therapy, online, #420 p.49–53
 Autoimmune disease, digestive tract, #417 p.78–9
 Autoimmune disease, environmental toxins, #424 p.95–6
 Autoimmune disease, vaccines, #417 p.56–60
 Autoimmune disease, vagus-nerve stimulation, #419 p.18+
 Autoimmune disease, vitamin D, online, #425 p.51–4
 Autophagy, aging, #425 p.33

B

Babesia microti, integrative treatment, #421/422 p.36–8
 Babies, metal dysregulation, #415/416 p.43+
 Bacterial vaginosis, lactobacilli, online, #415/416 p.31–8
 Basal cell carcinoma, sodium selenite and zinc gluconate, #419 p.67–8
 Bastyr University, San Diego clinic, #419 p.39
 Beetroot juice, athletic performance, #417 p.40+
 Benign prostatic hypertrophy, online, #425 p.39
 Berberine, cardiovascular health, online, #418 p.60–2
 Beta blockers, congestive heart failure, #418 p.21–2
 Beta-glucuronidase, online, #415/416 p.52–3
 Bilharzia, *Schistosoma mansoni*, #420 p.8
 Bioenergetic medicine, #424 p.12+
 Bioidentical hormone replacement therapy (BHRT), online, #418 p.47–51
 Bioidentical hormone replacement therapy (BHRT), gut microbiota, online, #415/416 p.51–7
 Biophilia hypothesis, mental health, #420 p.78–82
 Bioregulatory Medicine Institute, 2018 conference, #421/422 p.118
 Biotin, multiple sclerosis, #423 p.59
 Bipolar disorder, vitamin B3, #423 p.60
 Birth control pills, breast cancer, #415/416 p.12
 Birth, GI microbiome, #425 p.66
 Birth weight, air pollution, #419 p.84–5
 Bisphenol A, attention deficit hyperactivity disorder, online, #421/422 p.31
 Bladder infection, homeopathy, #421/422 p.104–6
 Blood pressure, 2017 AHA/ACC Guidelines, online, #418 p.42–6
 Blood pressure, integrative and preventive medicine, online, #418 p.42–6
 Blood pressure, integrative medicine, #418 p.8+
 Blood pressure, kidney function, online, #419 p.44–9
 Blood pressure, women, #417 p.92
 Blood sugar, L-glutamine, #423 p.68
 Blood tests, naturopathic interpretation, #414 p.60–4
 Blood type diet, research, #421/422 p.120+
 Blue light, macular degeneration, #417 p.64–9
 Body odor, aromatic oils and skin microbes, #425 p.48–50
 Boron, #417 p.80–1
 Botanical medicine, #421/422 p.97–8
 Botanical medicine, Lyme disease, online, #420 p.68–71
 Botanical medicine, teeth, #420 p.14–15
 Botanical medicine, tick-borne infections, #420 p.26–8
 Bovine colostrum, influenza, online, #425 p.25–6+
 Brain, coffee, #423 p.23–5
 Brain disorders, electrohypersensitivity, #424 p.20
 Brain disorders, Field Control Therapy®, #423 p.26–9
 Brain disorders, photobiomodulation, #423 p.14+
 Breast cancer, metformin, #417 p.91
 Breast cancer, naturopathic medicine, online, #418 p.18–20
 Breast cancer, nightly fasting, #414 p.85–6
 Breast cancer, oral contraceptives, #423 p.92+
 Breast density, breast cancer, #423 p.92
 Breast milk, lutein, #424 p.27+

Townsend Letter Subject Index 2018

Breath patterns, health, #415/416 p.40–1
Breath patterns, pelvic floor pain, #415/416 p.44
Bye, Cynthia, ND, healthcare retirement model, online, #418 p.19–20

C

Cancer, boron, #417 p.80–1
Cancer, conventional vs alternative, online, #421/422 p.15+, #421/422 p.52–7
Cancer, cytometric cancer profiling and blood screening, #421/422 p.112–13
Cancer, decision making, #415/416 p.73+
Cancer, electromagnetic radiation, #415/416 p.77–8
Cancer, emotions, online, #423 p.62–4
Cancer, GcMAF, #417 p.46–9
Cancer, germanium, online, #414 p.71–3
Cancer, hyperthermia therapy, #421/422 p.74–81
Cancer, integrative medicine, #421/422 p.100–3, #425 p.75–9+
Cancer, intravenous vitamin C, online, #421/422 p.28
Cancer, liquid biopsy, #419 p.65–6
Cancer, metabolic protocol, online, #421/422 p.39–43
Cancer, mitochondrial dysfunction, online, #421/422 p.44–50, #421/422 p.82–7
Cancer, naturopathic medicine, online, #418 p.18–20, #424 p.100–2
Cancer (metastatic), Prof. Serge Jurasunas, #421/422 p.15, #421/422 p.66–73
Cancer risk, folic acid, #421/422 p.30
Cancer stem cells, vitamin C, #424 p.21
Cancer, stress, #425 p.69
Cancer terrain, #421/422 p.6+
Cancer, unconventional therapies, #423 p.10
Cannabinoids, pain and inflammation, online, #419 p.74–8
Cannabinoid therapy, certification, #418 p.12
Cannabinoid therapy, certification program, online, #418 p.38–41
Cannabinoid therapy, pain and inflammation, #424 p.13
Cannabinoid therapy, pharmacokinetics labeling, #421/422 p.90–1
Cannabinoid therapy, product quality, #421/422 p.90–1
Cannabis therapy, neurodegenerative disease, online, #420 p.49–53
Cannabis therapy, pain management, online, #424 p.67–70, #424 p.71–4
Cannabis, vomiting from overdose, #421/422 p.109–11
Cardiovascular disease, berberine, online, #418 p.60–2
Cardiovascular disease, chelation therapy, #418 p.4+
Cardiovascular disease, coconut oil, #418 p.32
Cardiovascular disease, electromagnetic radiation, #418 p.29+
Cardiovascular disease, field control therapy, #418 p.21–3
Cardiovascular disease, fish oil, online, #425 p.8+, #425 p.70–2
Cardiovascular disease, low-dose aspirin risk, #418 p.33
Cardiovascular disease, myths, #418 p.83–4
Cardiovascular disease, strontium ranelate, #418 p.88+
Cardiovascular disease, strophanthus, #418 p.57–9
Cardiovascular disease, testosterone, online, #418 p.10, #418 p.47–51
Cardiovascular health, lumbrokinase, online, #418 p.52–4+
Carotenoids, cognitive function, #423 p.58
Cataracts, N-acetylcarnosine eye drops, #417 p.65–6
Celiac, wheat strains, #415/416 p.46
Cerebral palsy, hyperbaric oxygen therapy, online, #417 p.30–4
Cervical cancer, screening guidelines, #421/422 p.115–16
Chamomile, premenstrual syndrome, #419 p.92+
Chelation therapy, cardiovascular disease, #418 p.4+
Chelation therapy, metal alloy implants, online, #414 p.31–5
Chelation therapy, tremor, #423 p.70
Chemical sensitivity, coffee, #424 p.23–5
Chemical sensitivity, supplement excipients, #420 p.86–7

Chemotherapy, ginger for nausea, #420 p.91
Children, diet, #424 p.10+
Children, iron supplementation, #414 p.41+
Children, probiotics for abdominal pain, #417 p.41
Cholestasis, environmental toxins, online, #415/416 p.25
Cholesterol, myths, #418 p.83–4
Chondroitin sulfate, osteoarthritis, #425 p.35
Chronic fatigue syndrome, intracranial hypertension, #424 p.19+
Chronic fatigue syndrome, mitochondrial dysfunction, #424 p.89–92
Chronic illness, emotional traumas/emotional blocks, online, #424 p.30–4
Chronic illness, skin, #417 p.22–4
Chronic infections, Klinghardt, #420 p.62–5
Chronic kidney disease, folic acid, #414 p.42
Chronic kidney disease, individual lifestyle care, #415/416 p.79–81
Chronic pain, relaxation and breathing, #424 p.14–15
Chronic pain syndrome, fibromyalgia, #424 p.87
Cinnamon, immune system, #425 p.12+
Clock genes, sleep and exercise, #424 p.18
Clostridium difficile, probiotic, #419 p.37
Cobalt, metal alloy implants, online, #414 p.31–5
Coenzyme Q10, mitochondrial dysfunction, #419 p.22
Coffee, anti-aging, #425 p.22–4
Coffee, brain, #423 p.23–5
Coffee, cancer, #421/422 p.33–5
Coffee, chemical sensitivity, #424 p.23–5
Coffee, health benefits, #417 p.18+
Coffee, heart disease, #420 p.22–5
Coffee, quality and health benefits, #418 p.24–6
Cognition, #418 p.67–72
Cognitive function, carotenoids, #423 p.58
Colds, N-acetylcysteine, #424 p.20
Coley's toxins, cancer, #421/422 p.74–81
Collagen syndromes, digestion, #423 p.90
Complementary & alternative medicine, cancer, online, #421/422 p.52–7, #421/422 p.99
Congestive heart failure, field control therapy, #418 p.21–3
Consciousness, #418 p.67–72
Constipation, probiotics, online, #421/422 p.30
Consumer Reports, bias against naturopaths, #418 p.77
Cooking, role in health, #418 p.13–14
Copper toxicity, #425 p.80+
Coronary artery disease, angioplasty, #425 p.45–7
Coronary artery disease, lumbrokinase, online, #418 p.52–4+
Cortisol deficiency, diagnosis, online, #414 p.52–9
Cortisol deficiency, treatment, online, #415/416 p.60–6
Cosmetics, parabens, #415/416 p.71
Cowden support program, tick-borne infections, #420 p.26–8
Cranial dysfunction, applied kinesiology, online, #419 p.69–73
Craniocervical chiropractic, neurological and cognitive disorders, online, #423 p.12, #423 p.39–46
Curcumin-Boswellia, osteoporosis, #419 p.92
Curcumin, myeloma, online, #421/422 p.27
Curcumin, rheumatoid arthritis, #425 p.74
Cutting for Stone, #421/422 p.4+

D

Dandruff, probiotic, #424 p.28
Data mining, #417 p.89–91
Deep vein thrombosis, homocysteine, #425 p.35+
Dementia, hyperbaric oxygen therapy, online, #417 p.30–4
Dental caries, probiotic, #424 p.28
Dental caries, probiotic chewing gum, #414 p.41
Dental caries, xylitol, #419 p.38
Dental infections, neurodegenerative disease, #423 p.30+
Dentistry, medicine collaboration, online, #417 p.13–15
Depression, forest bathing, #420 p.78–82

Depression, magnesium, #418 p.36
 Depression, probiotic, #419 p.10+
 Dermatitis, skin microbiome, online, #417 p.50-1
 Dermatology, field control therapy, #417 p.22-4
 Dermatomyositis, homeopathy, #414 p.83-4
 Detoxification, environmental toxins, online, #415/416 p.22-8
 Detoxification, Joseph Pizzorno, ND, #415/416 p.6+
 Detoxification, push-catch system, #415/416 p.10+
 Diabetes, naturopathic medicine, #420 p.84-5
 Dichloroacetate, advanced cancer, online, #421/422 p.39-43
 Diet, fibromyalgia, #424 p.104+
 Diet, mental health, #415/416 p.68-70
 Diet, non-alcoholic fatty liver disease, online, #419 p.50-3
 Diet, valproic acid, #419 p.38
 Digestion, collagen syndromes, #423 p.90
 Digital devices, addiction, #423 p.18
 Diuretics, kidney function, online, #419 p.46
 D-Mannose, urinary tract infections, #420 p.54+
 DNA Connexions, Lyme panel, online, #414 p.27-8
 DNA Connexions, neurodegenerative disease, #423 p.30+
 Doctor-patient relationship, #417 p.70-1
 Doctor-patient relationship, mindfulness, #421/422 p.24-5
 Dogs, vitamin D, #414 p.74-9
 Douching, #415/416 p.85, #420 p.93
 Drug addiction, pain management, #424 p.52-4
 Dry eye syndrome, omega-3 fatty acids, #417 p.27, #417 p.38
 Dry eye syndrome, vitamin D, #424 p.28

E

Earthing, pain management, online, #424 p.75-80
 Ebola, ozone, #420 p.21
 Eggs, prostate cancer recurrence, online, #421/422 p.58-64
 Ehlers-Danlos syndrome, gastroenterology, #423 p.90
 Electromagnetic field radiation, brain disorders, #424 p.20
 Electromagnetic field radiation, cardiovascular health, #418 p.29+
 Electromagnetic field radiation, immunosuppression, #420 p.19
 Electromagnetic field radiation, Lyme disease, online, #420 p.36-44, #420 p.46-7
 Electromagnetic field radiation, voltage-gated calcium channels, #415/416 p.77-8
 Emergency kits, natural disasters, #414 p.80
 Emotions, cancer, online, #423 p.62-4
 Emotions, healing, #417 p.70-1
 Emulsifiers, metabolic syndrome, #421/422 p.107-8
 Endocannabinoids, gastrointestinal tract, online, #423 p.82-6
 Endocannabinoids, neurodegenerative disease, online, #420 p.49-53
 Endocannabinoids, pain management, #424 p.71-4
 Endocannabinoid system, pregnancy, online, #419 p.74-8
 Endocrine disruptors, Bonnie Nedrow, ND, #415/416 p.12
 Endocrine disruptors, female infertility, online, #415/416 p.48-50
 Endothelial dysfunction, berberine, online, #418 p.60-2
 Energy blocks, chronic illness, online, #424 p.30-4
 Environmental medicine, multiple chemical sensitivity, #414 p.66-70
 Environmental medicine, saliva testing, #414 p.40
 Environmental toxins, autoimmune disease, #424 p.95-6
 Environmental toxins, detoxification, online, #415/416 p.22-8
 Environmental toxins, leukemia, #421/422 p.92-3
 Environment, mold, #418 p.63-6
 Eosinophilic esophagitis, food allergy, #420 p.55+
 Epigenetics, hyperbaric oxygen therapy, online, #417 p.30-4
 Epigenetics, vaccines, #417 p.56-60
 Epilepsy, fasting and ketogenic diet, #423 p.88-9
 Epilepsy, naturopathic medicine, online, #423 p.72-6
 Episiotomy pain, chamomile cream, #419 p.94
 Erectile dysfunction, integrative medicine, online, #425 p.42-4
 Essential Formulas, awards, #415/416 p.83

Essential oils, pain management, #425 p.6+
 Essential oils, quality and safety for internal use, online, #425 p.56-63
 Essential oils, skin microbiome, #425 p.48-50
 Estrogen metabolism, online, #415/416 p.51-7
 Estrogen mimickers, parabens, #415/416 p.71
 Exercise, microbiome, online, #420 p.32-4
 Exercise, sleep, #424 p.18
 Exponential medicine meeting, #417 p.36-7
 Extra virgin olive oil, breast cancer, online, #418 p.18-20
 Eye disorders, meso-zeaxanthin, online, #421/422 p.30
 Eye disorders, natural therapies, #417 p.10
 Eye disorders, nutrition, #417 p.64-9

F

Fasting, breast cancer prognosis, #414 p.85-6
 Fatigue, mitochondrial dysfunction, #424 p.37-8+
 Fatty acids, reading ability in children, #423 p.58+
 Fatty liver, fructose, #419 p.36
 FDA, injectable ascorbic acid, online, #414 p.21-3
 Female infertility, endocrine disruptors, online, #415/416 p.48-50
 Fermented wheat germ extract, cancer, online, #421/422 p.49-50
 Fever therapy, cancer, #421/422 p.74-81
 Fibrin, lumbrokinase, online, #418 p.52-4+
 Fibrocystic breast, nutrition, #423 p.92
 Fibromyalgia, chronic pain syndrome, #424 p.87
 Fibromyalgia, dietary factors, #424 p.104+
 Fibromyalgia, iron deficiency, #424 p.26
 Fibromyalgia, sleep and pain treatment, online, #424 p.47-50
 Fibromyalgia, vitamin D, #425 p.74
 Field Control Therapy®, brain disorders, #423 p.26-9
 Field Control Therapy®, dermatology, #417 p.22-4
 Field Control Therapy®, heart disease, #418 p.21-3
 Field Control Therapy®, Lyme disease, #420 p.46-7
 Fish oil, 2017 Cochrane review, online, #425 p.70-2
 Fish oil, cardiovascular health, #425 p.8+
 Fish oil, pregnancy and asthma in offspring, #414 p.42
 Flooding, mold allergies, #418 p.63-6
 Flu, bovine colostrum, online, #425 p.25-6+
 FODMAPs, irritable bowel syndrome, #420 p.56
 Folate, Alzheimer's disease, #424 p.42-6
 Folate, vs folic acid, #418 p.35
 Folic acid, 5-methyltetrahydrofolate (5-MTHF), #418 p.35
 Folic acid, cancer risk, online, #421/422 p.30
 Folic acid, chronic kidney disease, #414 p.42
 Food addictions, amino acids, #424 p.88
 Food addictions, amino acid support, online, #424 p.58-63
 Food, adulteration, #423 p.6+
 Food allergy, eosinophilic esophagitis, #420 p.55+
 Food intolerances, naturopathic medicine, #417 p.86-8
 Food, polyphenols, #415/416 p.75-6
 Food sensitivity, myofascial pain, online, #424 p.81-6
 Forest bathing, mental health, #420 p.78-82
 Frequency specific microcurrent, pain management, #424 p.18+
Fumaria officinalis, hiatal hernia, online, #419 p.39-42
 Functional medicine, chronic kidney disease, #415/416 p.79-81
 Functional medicine, mind-body, online, #423 p.62-4
 Functional medicine, mold, online, #420 p.72-7

G

GABA, glutamate, #423 p.67+
 GABA, ketogenic diet, #423 p.88-9
 Gamma-tocopherol, alpha-tocopherol balance, #419 p.36+
 Gardening, year-round, #417 p.74
 Gastroesophageal reflux disease (GERD), hiatal hernia, online, #419 p.39-42

Townsend Letter Subject Index 2018

- Gastroesophageal reflux disease (GERD), sodium alginate**, #415/416 p.46+
- Gastrointestinal flora, birth**, #425 p.66
- Gastrointestinal tract, endocannabinoid system, online**, #423 p.82–6
- Gastrointestinal tract, inflammation, online**, #419 p.34–5
- Gastrointestinal tract, kidney disease**, #414 p.81–2
- Gastrointestinal tract, naturopathic medicine**, #417 p.78–9
- Gastrointestinal tract, short-chain fatty acid, online**, #420 p.32–4
- Gastroparesis**, #419 p.82–3
- Genetic expression, homeopathy**, #414 p.39
- Genetic expression, methylation, online**, #423 p.20
- Genital-urinary tract, men, online**, #425 p.10, #425 p.37–41
- Genitourinary atrophy, vitamin E suppositories**, #415/416 p.86+
- Germanium (Geoxy 132), cancer, online**, #414 p.71–3
- Gestational diabetes, probiotics**, #415/416 p.46
- Gignac, Mark, ND (obituary)**, #425 p.18–19
- Ginger, immune system**, #425 p.12+
- Ginger, menstrual cramps and bleeding**, #420 p.91+
- Ginger, migraines**, #420 p.92
- Ginger, nausea from chemotherapy, online**, #420 p.91, #421/422 p.30
- Glaucoma**, #417 p.66
- Glaucoma, osteopathic therapy**, #417 p.26
- Globulin Component Macrophage Activating Factor (GcMAF), Cancer**, #417 p.46–9
- Glucose metabolism, potassium**, #418 p.34
- Glutamine, blood sugar regulation**, #423 p.68–9
- Glutamine, costs**, #417 p.96
- Glutamine, monosodium glutamate**, #423 p.65–9
- Glutathione, Tri-Fortify™**, #417 p.95
- Gluten, psoriasis, online**, #421/422 p.31
- Gluten, Tourette syndrome**, #425 p.36
- Glycemic diet, macular degeneration**, #417 p.64–9
- Glymphatic system detoxification**, #420 p.62–5
- Glyphosate, Whitewash**, #421/422 p.96+
- Gout, flavonoids, online**, #419 p.51–2
- Green smoothies, oxalate nephropathy**, #424 p.27
- Grounding (Also see Earthing)**
- Grounding, pain**, #424 p.12+
- Gut microbiota, bioidentical hormone replacement therapy, online**, #415/416 p.51–7
- Gut microbiota, liver disease**, #419 p.18
- ## H
- Headache, craniocervical chiropractic, online**, #423 p.39–46
- Headache, manual muscle testing, online**, #419 p.69–73
- Headache, vitamin D**, #420 p.22
- Headache, vitamin D deficiency**, #414 p.45
- Head and neck cancers, risk factors, online**, #421/422 p.27+
- Head injury, homeopathy**, #417 p.76–7
- Healing, emotions**, #417 p.70–1
- Healing, forest bathing**, #420 p.78–82
- Healing, hope, online**, #423 p.8+, #423 p.62–4
- Health, breath patterns**, #415/416 p.40–1
- Health food**, #415/416 p.75–6
- Health, predictive biomarkers, online**, #414 p.25–6
- Heart disease, coffee**, #420 p.22–5
- Heart disease, electromagnetic radiation**, #415/416 p.77–8
- Heart disease, mercury**, #418 p.33
- Heart disease, multivitamins and minerals**, #418 p.35+
- Heart disease, strophanthus**, #418 p.57–9
- Heart failure, iron deficiency**, #414 p.42+, #425 p.34
- Heavy metals, Lyme disease**, #420 p.46–7
- Helicobacter pylori, iron deficiency**, #415/416 p.45+
- Helicobacter pylori, probiotics for abdominal pain**, #420 p.55
- Helleborus, head injury**, #417 p.77
- Hemp oil, certification program, online**, #418 p.38–41
- Hemp oil, pain and inflammation, online**, #419 p.74–8
- Herbal medicine**, #421/422 p.97–8
- Herbicides, antibiotic resistance**, #420 p.21+
- Herbs, teeth**, #420 p.14–15
- Hermes, Britt, naturopathic turncoat**, #417 p.6+
- Hiatal hernia, gastroesophageal reflux disease (GERD), online**, #419 p.39–42
- Hip implant, metal alloys**, #414 p.15
- Homeopathy, genetic expression**, #414 p.39
- Homeopathy, methotrexate chelation**, #414 p.83–4
- Homeopathy, placebo**, #419 p.79–81, #423 p.87
- Homeopathy, refugee trauma**, #424 p.93–4
- Homeopathy, research**, #414 p.38+
- Homeopathy, sensation method**, #421/422 p.104–6
- Homeopathy, Wikipedia bias**, #414 p.1+
- Homocysteine, Alzheimer's disease**, #424 p.42–6
- Homocysteine, deep vein thrombosis**, #425 p.35+
- Homocysteine, macular degeneration**, #417 p.64–9
- Hope, healing, online**, #423 p.8+, #423 p.62–4
- Hormone replacement therapy, position statement**, #417 p.92+
- Household products, parabens**, #415/416 p.71
- Huber, Gary, DO**, #419 p.38
- Human papillomavirus (HPV), head and neck cancers, online**, #421/422 p.27+
- Hyperbaric oxygen therapy, cancer, online**, #421/422 p.39–43
- Hyperbaric oxygen therapy, dementia, online**, #417 p.30–4
- Hyperbaric oxygen therapy, myeloma, online**, #421/422 p.27
- Hyperinsulinism**, #419 p.54–9
- Hypertension, integrative medicine**, #418 p.8+
- Hypertension, kidney function, online**, #419 p.44–9
- Hypertension, preventive and integrative medicine, online**, #418 p.42–6
- Hypertension, taurine**, #419 p.37
- Hyperthermia therapy, cancer**, #421/422 p.74–81
- Hypogonadism, testosterone**, #418 p.47–51
- Hypothyroidism, infertility**, #423 p.60
- ## I
- Illness, coping with serious/terminal diagnosis**, #415/416 p.73+
- Immune response, hyperthermia therapy**, #421/422 p.74–81
- Immune response, mind-body, online**, #423 p.62–4
- Immune system, Cowden support program**, #420 p.26–8
- Immune system, ginger, cinnamon, mushrooms**, #425 p.12+
- Immunosuppression, electromagnetic fields**, #420 p.19
- Immunotherapy, allergies**, #417 p.10
- Immunotherapy, GcMAF**, #417 p.46–9
- Infectious disease, Cowden support program**, #420 p.26–8
- Infertility, hypothyroidism**, #423 p.60
- Infertility, iodine deficiency**, #425 p.36
- Infertility, PCOS and botanicals**, #414 p.93–4
- Infertility, polycystic ovarian syndrome, online**, #415/416 p.58–9
- Inflammation, intestinal and systemic, online**, #419 p.34–5
- Inflammation, metal alloy implants, online**, #414 p.31–5
- Inflammation, oxidative dried blood test**, #419 p.28–33
- Inflammation, vagus-nerve stimulation**, #419 p.18+
- Inflammatory bowel system, endocannabinoid system**, #423 p.82–6
- Inflammatory response syndrome, 2nd annual international conference (2018), online**, #420 p.4
- Influenza (See also Flu)**
- Influenza, N-acetylcysteine**, #424 p.20
- Information, metaphysics**, #418 p.67–72
- Institute for Functional Medicine, Amy R. Mack**, #417 p.39
- Insulin dysregulation, aging**, #419 p.54–9
- Integrative medicine, cancer**, #421/422 p.100–3
- Integrative medicine, Corbier Restoration Model**, #424 p.55–7
- Integrative medicine, erectile dysfunction, online**, #425 p.42–4
- Integrative Medicine for Mental Health (IMMH) Conference 2017**, #415/416 p.20
- Integrative medicine, hypertension, online**, #418 p.42–6

Townsend Letter Subject Index 2018

Integrative medicine, ICIM 2018 conference, online, #423 p.21
Integrative medicine, New Mexico medical board, #415/416 p.13–15
Integrative medicine, oncology, #425 p.10, #425 p.75–9+
Integrative medicine, pain management, #424 p.18+
Integrative medicine, Samuelli endowment/UC-Irvine, #414 p.36–7
International Center for Cannabis Therapy, #418 p.12
International Center for Cannabis Therapy, certification program, online, #418 p.38–41
Intracranial hypertension, chronic fatigue syndrome, #424 p.19+
Intradermal dilution test, allergic load, online, #417 p.52–5
Intradermal dilution test, mold, #418 p.63–6
Iodine deficiency, infertility, #425 p.36
Iodine deficiency, paleolithic diet, #420 p.57
Iodine supplementation, side effects, online, #417 p.42–5
Iridology, cancer, #421/422 p.66–73
Iron absorption, tea, #423 p.60
Iron deficiency, fibromyalgia, #424 p.26
Iron deficiency, heart failure, #425 p.34
Iron deficiency, *Helicobacter pylori*, #415/416 p.45+
Iron, heart failure, #414 p.42+
Iron supplementation, children, #414 p.41+
Irritable bowel syndrome, FODMAPs, #420 p.56

J

Joint hypermobility, digestion, #423 p.90
Junk food, children, #424 p.10+
Jurasunas, Serge, honorary degrees, #415/416 p.82

K

Ketogenic diet, cancer, online, #421/422 p.44–50
Ketogenic diet, gut microbiome, #423 p.88–9
Ketogenic diet, post-traumatic epilepsy, online, #423 p.72–6
Kidney dialysis, vitamin C, #419 p.36
Kidney disease, gastrointestinal tract, #414 p.81–2
Kidney disease, magnesium, #415/416 p.46
Kidney disease, misconceptions, online, #419 p.14, #419 p.44–9
Kidney disease, uremia, #417 p.82–4
Klaire Labs, probiotic for nursing mothers, #420 p.90
Klaire Labs, quality control, #419 p.6+
Klaire Labs, Target gb-X™, #417 p.95
Klinghardt axiom, Lyme disease, online, #420 p.36–44
Kryptopyrroluria, Lyme disease, online, #420 p.36–44

L

Laboratory tests, cancer, #421/422 p.112–13
Laboratory tests, Lyme diagnosis, online, #414 p.27–8
Laboratory tests, Lyme panel, #420 p.12
Laboratory tests, mold exposure, online, #423 p.33–6+
Laboratory tests, naturopathic interpretation, #414 p.60–4
Laboratory tests, predictive biomarkers, #414 p.10+
Laboratory tests, thyroid, #414 p.87–9
Lactobacillus rhamnosus, postpartum depression, #415/416 p.87
Laetrile, *Second Opinion* (DVD), online, #421/422 p.26+
Laryngopharyngeal reflux, diet, #423 p.96+
L-Carnitine, lipoprotein(a), #414 p.41
L-Carnitine, mitochondrial dysfunction, #419 p.22
Leazenby, Erica, MD, food as medicine, #418 p.13–14
Leukemia, environmental toxins, #421/422 p.92–3
Levine, Stephen, PhD, Allergy Research Group, online, #420 p.2
Lifestyle, blood pressure, online, #418 p.42–6
Lion's mane mushroom, neurodegenerative disease, #423 p.94
Lipid replacement, mitochondrial dysfunction, #419 p.22
Lipoic acid mineral complex, neurodegenerative disease, #423 p.49–57
Lipoprotein(a), L-carnitine, #414 p.41

Liposomal glutathione, online, #417 p.94
Liquid biopsy, cancer, #419 p.65–6
Lithium, Alzheimer's disease, #423 p.77–81
Liver damage, acetaminophen, #419 p.22
Liver detoxification pathways, online, #415/416 p.25–6
Liver disease, coffee, #419 p.23–5
Liver disease, gut microbiota, #419 p.18
L-Methionine, age-related macular degeneration, #417 p.62–3
Longevity, coffee, #417 p.18+, #425 p.22–4
Longevity, nuts and seeds, #425 p.35
Low-dose naltrexone, #418 p.78–9+
Low libido (postmenopause), *Tribulus terrestris*, #415/416 p.85+
Lugol's iodine, side effects, online, #417 p.42–5
Lumbrokinase, cardiovascular health, online, #418 p.52–4+
Lutein, adverse effects, #414 p.43
Lutein, breast milk, #424 p.27+
Lyme diagnosis, DNA Connections, online, #414 p.27–8
Lyme disease, acupuncture meridian assessment, #420 p.66–7
Lyme disease, alternative treatments, online, #420 p.12+, #420 p.36–44
Lyme disease, *Artemisia annua*, #420 p.12
Lyme disease, botanicals, online, #420 p.68–71
Lyme disease, Cowden support program, #420 p.26–8
Lyme disease, Field Control Therapy®, #420 p.46–7
Lyme disease, integrative treatment, #421/422 p.36–8
Lyme disease, Klinghardt, #420 p.62–5
Lyme disease, lab testing, #420 p.12
Lyme disease, Maryland medical board legislation, #419 p.60
Lyme disease, provoked urine PCR test, #420 p.62–5
Lyme disease, simplified individualized care, #420 p.58–61

M

Mack, Amy R., Institute for Functional Medicine, #417 p.39
Macular degeneration, L-methionine, #417 p.62–3
Magnesium (intravenous), asthma, #417 p.39+
Magnesium, depression, #418 p.36
Magnesium, kidney disease, #415/416 p.46
Magnesium, stroke recovery with potassium, #418 p.34+
Magnesium, Wernicke's encephalopathy, #423 p.58
Malaria, ivermectin, #420 p.10
Mammograms, #417 p.93+
Manual muscle testing, headaches, online, #419 p.69–73
Marijuana, vomiting from overdose, #421/422 p.109–11
Maritime pine bark extract, osteoarthritis, #425 p.73+
McDonagh, Edward Wolff, DO (obituary), #423 p.21
Medical school, nutritional medicine, #419 p.96+
Medicine, adulteration, #423 p.6+
Medicine, failures, #421/422 p.94–5
Medicine, future, #417 p.36–7
Melatonin, non-alcoholic fatty liver disease, online, #419 p.52+
Menopause, gut microbiota, online, #415/416 p.51–7
Men's health, cardiovascular health, online, #418 p.47–51
Men's health, genital-urinary tract, #425 p.10
Men's health, urology, #418 p.80–2
Menstruation, ginger, #420 p.91+
Mental health, IMM conference, #415/416 p.20
Mental health, nature, #420 p.78–82
Mental health, nutrition, #415/416 p.68–70
Mercury, heart disease, #418 p.33
Meso-Zeaxanthin, eye health, online, #421/422 p.30
Metabolic dysfunction, oxidative dried blood test, #419 p.28–33
Metabolic syndrome, oral hygiene products, #421/422 p.107–8
Metal dysregulation, fetus and infants, #415/416 p.43+
Metallosis, hip implants, #414 p.15
Metallosis, prosthesis devices, online, #414 p.31–5
Metal toxicity, #415/416 p.72
Metformin, vitamin B12 deficiency, #418 p.35
Methotrexate, homeopathic chelation, #414 p.83–4
Methylation, online, #418 p.87, #419 p.89

Townsend Letter Subject Index 2018

- Methylation, genetics**, #423 p.20
Microbial dysbiosis, non-alcoholic fatty liver disease, online, #419 p.50–3
Microbiome, exercise, online, #420 p.32–4
Microbiome, ketogenic diet, #423 p.88–9
Migraines, ginger, #420 p.92
Mind-body, functional medicine, online, #423 p.62–4
Mindfulness, doctor-patient relationship, #421/422 p.24–5
Mitochondria, #425 p.65
Mitochondria, aging, #425 p.64
Mitochondria, fatigue, #424 p.37–8+
Mitochondrial dysfunction, cancer, online, #421/422 p.44–50, #421/422 p.66–73, #421/422 p.82–7
Mitochondrial dysfunction, chronic fatigue syndrome, #424 p.89–92
Mitochondrial dysfunction, epilepsy, online, #423 p.72–6
Mitochondrial dysfunction, neuropsychiatric disorders, #423 p.18
Mitochondrial dysfunction, resuscitation protocol, #421/422 p.117–18
Mitochondrial dysfunction, supplements, #419 p.22
MMR vaccine, vitamin C, #414 p.44+
Mold, allergic load, #418 p.63–6
Mold, Great Plains laboratory tests, online, #423 p.33–6+
Mold, Lyme disease, online, #420 p.36–44
Monosodium glutamate, #423 p.12
Monosodium glutamate, neuroexcitotoxicity, #423 p.65–9
Monsanto, glyphosate, #421/422 p.96+
Mood, coffee, #423 p.23–5
Mosquitoes, ivermectin, #420 p.10
Multiple chemical sensitivity, environmental medicine, #414 p.66–70
Multiple sclerosis, biotin, #423 p.59
Multiple sclerosis, diet and exercise studies, #423 p.15+
Musculoskeletal pain, vitamin D, #424 p.26+
Mushrooms, immune system, #425 p.12+
Mussels, Lake Michigan, #421/422 p.6+
Myalgic encephalitis, mitochondrial dysfunction, #424 p.89–92
Mycometrics ERMI, Lyme disease, online, #420 p.36–44
Mycotoxins, functional medicine, online, #420 p.72–7
Mycotoxins, neurological disorders, online, #423 p.33–6+
Myeloma, curcumin and HBOT, online, #421/422 p.27
Myofascial pain, trigger points and food sensitivity, online, #424 p.81–6
Mystical experience, #418 p.67–72
- N**
- N-acetylcysteine, colds and flu**, #424 p.20
Nagalase, GcMAF, #417 p.46–9
Naltrexone, alcoholism, #424 p.6+
Nanoparticles, allergies, #417 p.26+
National University of Natural Medicine, David Schleich, PhD, #425 p.20
Natural disasters, food storage and emergency kits, #414 p.80
Nature, forest bathing, #420 p.78–82
Naturopathic medicine, Britt Hermes, #417 p.6+
Naturopathic medicine, common blood tests, #414 p.60–4
Naturopathic medicine, Consumer Reports bias, #418 p.77
Naturopathic medicine, diabetes, #420 p.84–5
Naturopathic medicine, epilepsy, online, #423 p.72–6
Naturopathic medicine, gastroesophageal reflux disease (GERD), online, #419 p.39–42
Naturopathic medicine, gastrointestinal tract, #417 p.78–9
Naturopathic medicine, mitochondrial dysfunction, #421/422 p.117–18
Naturopathic medicine, non-thyroidal illness, #414 p.87–9
Naturopathic medicine, oncology, online, #421/422 p.39–43
Naturopathic oncology, effectiveness, online, #424 p.100–2
Naturopathic oncology, naturopathic medicine, online, #418 p.18–20
Nausea (chronic), #419 p.82–3
Nausea, ginger, online, #420 p.91–3, #421/422 p.30
Neurodegenerative disease, cannabis therapy, online, #420 p.49–53
Neurodegenerative disease, craniocervical chiropractic, online, #423 p.39–46
Neurodegenerative disease, lion's mane mushroom, #423 p.94
Neurodegenerative disease, lipoic acid mineral complex, #423 p.49–57
Neurodegenerative disease, oral hygiene, #423 p.30+
Neurological disorders, mold exposure, online, #423 p.33–6+
Neuropathic pain, cannabis therapy, online, #424 p.67–70
Neuropeptides, emotions, online, #423 p.62–4
Neuropsychiatric disorders, mitochondria, #423 p.18
Neurotoxicity, metal alloy implants, online, #414 p.31–5
New Mexico medical board, prescription supplements, #415/416 p.13–15
Non-alcoholic fatty liver disease, online, #419 p.12+, #419 p.50–3
Nrf2 (nuclear factor E-2 related factor), cellular detoxification, online, #415/416 p.22–8
Nutritional medicine, medical school bias, #419 p.96+
Nutrition, fibrocystic breast, #423 p.92
Nutrition, mental health, #415/416 p.68–70
Nutrition, mitochondria support, #424 p.37–8+
Nuts, long-term health, #425 p.35
Nux moschata, orientation, #417 p.76
- O**
- Obesity, children**, #424 p.10+
Omega-3 fatty acids, dry eye syndrome, #417 p.27, #417 p.38
Omega-3 fatty acids, psoriatic arthritis, #425 p.34+
Oncology Association of Naturopathic Physicians (OncANP), 2018 conference, online, #418 p.18–20
Oncology, hormone imbalances, #421/422 p.88–9
Oncology, integrative medicine, #425 p.10, #425 p.75–9+
Oncology, metabolic therapies, online, #421/422 p.39–43
Oncology, naturopathic medicine, online, #424 p.100–2
Oncology, Prof. Serge Jurasunas, #421/422 p.66–73
Oral contraceptives, breast cancer risk, #423 p.92+
Oral health, emulsifiers and metabolic syndrome, #421/422 p.107–8
Oral health, herbs, #420 p.14–15
Oral health, neurodegenerative disease, #423 p.30+
Oral health, systemic inflammation, online, #417 p.13–15
Organ transplants, animal-human hybrids, #418 p.73–6
Orthokine (autologous conditioned serum), osteoarthritis, #425 p.31
Osteoarthritis, chondroitin sulfate, #425 p.35
Osteoarthritis, maritime pine bark extract, #425 p.73+
Osteopathic techniques, glaucoma, #417 p.26
Osteoporosis, autologous conditioned serum, #425 p.31
Osteoporosis, boron, #417 p.80–1
Osteoporosis, curcumin-Boswellia, #419 p.92
Osteoporosis, dried plums, #415/416 p.45
Osteoporosis, strontium, #418 p.88+
Ovarian cancer, screening guidelines, #421/422 p.115–16
Oxalate, green smoothies, #424 p.27
Oxidative dried blood test, cancer, #421/422 p.66–73
Oxidative dried blood test, metabolic dysfunction and inflammation, #419 p.28–33
Ozone therapy, Ebola, #420 p.21
- P**
- P53 mutation, cancer**, #421/422 p.66–73
Pain management, cannabinoids and palmitoylethanolamide, #424 p.71–4

- Pain management, cannabis therapy, online, #424 p.13, #424 p.67–70
- Pain management, earthing, online, #424 p.75–80
- Pain management, essential oils, #425 p.6+
- Pain management, hemp oil, online, #419 p.74–8
- Pain management, integrative medicine, #414 p.36–7, #424 p.18+
- Pain management, OTC painkiller risks, #424 p.64–6
- Pain management, Teitelbaum, online, #424 p.47–50
- Pain management, trigger points and food sensitivity, online, #424 p.81–6
- Pain management, vitamin C, #424 p.52–4
- Paleolithic diet, iodine deficiency, #420 p.57
- Palmitoylethanolamine, pain management, #424 p.71–4
- Pancreatic cancer, intravenous vitamin C, online, #421/422 p.29
- Parabens, estrogen mimickers, #415/416 p.71
- Parasites, jaundice, #414 p.90
- Parathyroidism, boron, #417 p.80–1
- Parkinson's disease, cannabis therapy, online, #420 p.49–53
- Pelvic floor pain, breathing, #415/416 p.44
- Peroxyinitrite, chemical sensitivity, #414 p.66–70
- Phosphatidylcholine, non-alcoholic fatty liver disease, online, #419 p.52
- Photobiomodulation, brain disorders, #423 p.14+
- Phthalates, precocious puberty, #420 p.56+
- Physicians, mindfulness, #421/422 p.24–5
- Placenta, structure and function, #415/416 p.43
- Platelet aggregation, anthocyanins, #418 p.35
- Play, aging, #425 p.32+
- Polycystic ovarian syndrome (PCOS), #415/416 p.12
- Polycystic ovarian syndrome, botanicals, #414 p.93–4
- Polycystic ovarian syndrome, infertility, online, #415/416 p.58–9
- Poly-MVA, advanced cancer, online, #421/422 p.39–43
- Polyphenols, #415/416 p.75–6
- Poria mushroom, online, #420 p.30
- Post-contraceptive amenorrhea, polycystic ovarian syndrome, online, #415/416 p.58–9
- Postoperative sore throat, zinc lozenges, #420 p.56
- Postpartum depression, *Lactobacillus rhamnosus*, #415/416 p.87
- Postpartum depression, saffron, #415/416 p.86
- Potassium, glucose metabolism, #418 p.34
- Potassium, stroke recovery with magnesium, #418 p.34+
- Poultry, prostate cancer recurrence, online, #421/422 p.58–64
- Practitioner retirement model, Cynthia Bye, ND, #418 p.19–20
- Predictive biomarkers, laboratory tests, #414 p.10+
- Predictive biomarkers, long-term health, online, #414 p.25–6
- Pregnancy, endocannabinoid system, online, #419 p.74–8
- Pregnancy, fish oil, #414 p.42
- Pregnancy, vaginal microbiota, online, #415/416 p.33
- Pregnancy, vitamin C, #415/416 p.42
- Pregnancy, vitamin D to prevent allergies, #417 p.40
- Premenstrual syndrome, chamomile, #419 p.92–3
- Probiotic chewing gum, dental caries, #414 p.41
- Probiotics, atopic dermatitis, #417 p.39
- Probiotics, *Clostridium difficile*, #419 p.37
- Probiotics, constipation, online, #421/422 p.30
- Probiotics, dandruff, #424 p.28
- Probiotics, dental caries, #424 p.28
- Probiotics, depression, #419 p.10+
- Probiotics, differentiation, #419 p.12
- Probiotics, gestational diabetes, #415/416 p.46
- Probiotics, *Helicobacter pylori*, #420 p.55
- Probiotics, immune system, online, #419 p.34–5
- Probiotics, nursing mothers, #420 p.90
- Probiotics, urinary tract infections, #420 p.54
- Product quality, cannabis, #421/422 p.90–1
- Prostate cancer, online, #425 p.39
- Prostate cancer biomarker, 3 β -Adiol, #414 p.46–50
- Prostate cancer, diet, online, #421/422 p.14+, #421/422 p.58–64
- Prostate cancer risk, testosterone, #414 p.14
- Prostate gland disorders, prevention, online, #425 p.37–41
- Prostatic specific antigen, online, #425 p.38
- Prosthesis devices, metal burden, online, #414 p.31–5
- Prunes (dried plums), osteoporosis, #415/416 p.45
- Psoriasis, gluten, online, #421/422 p.31
- Psoriasis, vitamin B12, #417 p.38
- Psoriatic arthritis, omega-3 fatty acids, #425 p.34+
- Psychosomatic Energetics, #424 p.12+
- Psychosomatic Energetics, chronic illness, online, #424 p.30–4
- Puberty, phthalates, #420 p.56+

R

- Reading ability (children), fatty acids, #423 p.58+
- Rea, William James, MD (obituary), #424 p.21
- Relaxation, pain and inflammation, #424 p.14–15
- Research, statistical significance, #417 p.89–91
- Respiratory illness, mold, #418 p.63–6
- Respiratory illness, vitamin C, #425 p.31+
- Restoration Model, integrative medicine, #424 p.55–7
- Resveratrol, macular degeneration, #417 p.64–9
- Retroviruses, Klinghardt, #420 p.62–5
- Rheumatoid arthritis, curcumin, #425 p.74
- Rickets, digestion and vitamin D, #414 p.74–9
- Root canals, brain, #423 p.30+
- Rosacea, skin microbiome, online, #417 p.50–1
- Roundworms (Toxocara), #420 p.22

S

- Saffron, postpartum depression, #415/416 p.86
- Saliva testing, environmental medicine, #414 p.40
- Samueli endowment/UC-Irvine, integrative medicine, #414 p.36–7
- Schistosoma mansoni*, bilharzia, #420 p.8
- Schizophrenia, 5-methyltetrahydrofolate, #415/416 p.47
- Schizophrenia, alpha lipoic acid, #423 p.59+
- Schleich, David PhD, National University of Natural Medicine, #425 p.20
- Science, #415/416 p.74
- Second Opinion* (DVD), laetrile, online, #421/422 p.26+
- Selenium, mortality, #424 p.27
- Septic shock, naturopathic medicine, #417 p.78–9
- Septic shock, thiamine, #419 p.37+
- Sickle cell disease, glutamine costs, #417 p.96
- Sinclair Method, alcoholism, #424 p.6+
- Skin health, Bluebonnet nutrition, #423 p.94
- Skin microbiome, lifestyle, online, #417 p.50–1
- Skin, toxicity, #417 p.22–4
- Sleep disorder, Teitelbaum, online, #424 p.47–50
- Sleep, exercise, #424 p.18
- Smell function loss, vitamin A (intranasal), #414 p.43
- Sodium alginate, GERD, #415/416 p.46+
- Spinal manipulation, pain management, #424 p.18+
- Sports injuries, pain management, online, #424 p.81–6
- Statins, acute myelocytic leukemia, #418 p.22–3
- Statistical significance, research, #417 p.89–91
- Stem cell therapy, FDA, #417 p.75
- Stress, adolescents, #417 p.72–3
- Stress, cancer, #425 p.69
- Stress, forest bathing, #420 p.78–82
- Stress, thyroid lab testing, #414 p.87–9
- Stress, travel, #419 p.86–8
- Stroke, Arnica, #417 p.76
- Stroke, lumbrokinase, online, #418 p.52–4+
- Stroke, potassium and magnesium, #418 p.34+
- Strontium, risks, #418 p.88+
- Strophanthus, angina and heart attack prevention, #418 p.57–9
- Supplement sales, New Mexico medical board, #415/416 p.13–15
- Supplements, excipients, #420 p.86–7

Townsend Letter Subject Index 2018

Supplements, heart disease, #418 p.35+

T

Target gb-X™, gut-brain probiotic blend, #417 p.95
Taurine, portal hypertension, #419 p.37
Tea, iron absorption, #423 p.60
Teeth, herbs, #420 p.14–15
Teeth, systemic inflammation, online, #417 p.13–15
Termites, gastrointestinal tract, #425 p.4+
Testosterone, cardiovascular health, online, #418 p.10, #418 p.47–51
Testosterone, hypogonadism, online
Testosterone, metabolites, #414 p.46–50
Testosterone, prostate cancer risk, #414 p.14
Thiamine, septic shock, #419 p.37+
Thiamine, Wernicke's encephalopathy, #423 p.58
Thromboembolism, lumbrokinase, online, #418 p.52–4+
Thyroid function, naturopathic medicine, #414 p.87–9
Thyroid, toxic metals, #423 p.70
Tick-borne infections (See Lyme disease)
Titanium, metal alloy implants, online, #414 p.31–5
Tourette syndrome, gluten-free diet, #425 p.36
Toxic metals, tremor, #423 p.70
Toxic substances, binders, online, #415/416 p.26–7
The Toxin Solution, Joseph Pizzorno, ND, #415/416 p.6+
Transphysical phenomena, #418 p.67–72
Trauma, homeopathy, #424 p.93–4
Traumatic brain injury, hyperbaric oxygen therapy, online, #417 p.30–4
Travel, homeopathy and good humor, #419 p.86–8
Traveling, self-care, #420 p.88
Tremor, chelation therapy, #423 p.70
Tribulus terrestris, low libido in postmenopause, #415/416 p.85+
Tri-Fortify™, glutathione levels, online, #417 p.94
Trigger points, myofascial pain, online, #424 p.81–6
Tuberculosis, vitamin C, #420 p.96+

U

Uremia, chronic kidney disease, #417 p.82–4
Urinary tract infection, D-mannose, #420 p.54+
Urinary tract infection, lactobacilli, online, #415/416 p.31–8
Urinary tract infection, probiotic, #420 p.54
Urology, men's health, #418 p.80–2

V

Vaccination, safety issues, #417 p.8+
Vaccine safety, #417 p.56–60
Vaccines, contamination, #414 p.39+
Vaginal atrophy, vitamin E, #415/416 p.45
Vaginal lactobacilli, #415/416 p.31–8
Vaginismus, relaxation and breathing, #415/416 p.44
Vagus nerve, device stimulation, #419 p.18+
Valproic acid, diet, #419 p.38
Vertigo, craniocervical chiropractic, online, #423 p.39–46
Vingyana Integrative Medical Clinic (Sri Lanka), online, #414 p.1+
Virgin coconut oil, cardiovascular health, #418 p.32
Viruses, bovine colostrum, online, #425 p.25–6+
Vitamin A (intranasal), loss of smell, #414 p.43
Vitamin B3, bipolar disorder, #423 p.60
Vitamin B12, Alzheimer's disease, #424 p.42–6
Vitamin B12, aromatase inhibitor risks, #425 p.36
Vitamin B12, atopic dermatitis, #417 p.39
Vitamin B12 deficiency, Metformin, #418 p.35
Vitamin B12, psoriasis, #417 p.38
Vitamin C (See also Ascorbic acid)
Vitamin C (injectable), cancer, online, #421/422 p.28, #421/422 p.29

Vitamin C, cancer stem cells, #424 p.21
Vitamin C (injectable), FDA approval, #415/416 p.88
Vitamin C, kidney dialysis, #419 p.36
Vitamin C (injectable), manufacturing, #414 p.15
Vitamin C (injectable), McGuff Pharmaceuticals, online, #414 p.21–3
Vitamin C, MMR vaccine, #414 p.44+
Vitamin C, pain management, #424 p.52–4
Vitamin C, pregnancy, #415/416 p.42
Vitamin C, respiratory illness, #425 p.31+
Vitamin C, tuberculosis, #420 p.96+
Vitamin D, allergy prevention, #417 p.40
Vitamin D, ankylosing spondylitis, online, #425 p.51–4
Vitamin D deficiency, headache, #414 p.45, #420 p.22
Vitamin D, dogs, #414 p.74–9
Vitamin D, dry eye syndrome, #424 p.28
Vitamin D, fibromyalgia, #425 p.74
Vitamin D, food vs synthetic sources, #414 p.74–9
Vitamin D, 'growing pains', #424 p.26+
Vitamin D, high-dose safety, #414 p.96+, #418 p.36
Vitamin E, alpha- and gamma-tocopherols, #419 p.36+
Vitamin E suppositories, genitourinary atrophy, #415/416 p.86+
Vitamin E, vaginal atrophy, #415/416 p.45
Vitamin K2, atherosclerosis, #418 p.84
Voltage-gated calcium channels, electromagnetic radiation, #415/416 p.77–8
Vomiting, cannabis, #421/422 p.109–11

W

Wernicke's encephalopathy, thiamine and magnesium, #423 p.58
Wheat strains, celiac, #415/416 p.46
Whistleblower, Ralph Moss, PhD, online, #421/422 p.26+
Whitewash, glyphosate exposé, #421/422 p.96+
Women's health, #417 p.92–3
Women's health, birth control pills, #415/416 p.12

X

Xylitol, dental caries, #419 p.38

Y

Yeast overgrowth, lactobacilli, online, #415/416 p.31–8

Z

Zinc lozenges, postoperative sore throat, #420 p.56