

INDEX

ablative vaporization, 284 acetaminophen, 203, 296 acid refl x (GERD), 203 acne, hormonal Advanced Protocol for, 269-70 conditions related to, 67; PCOS, 16, 76, 77, 269 conventional approach to, 219, 222, 270, 277 foods and, 269 growing public visibility of, 15 herbs for, 270 impact of, 16-17, 269 lifestyle practices for, 269 microbiome and, 189 mind-body practices for, 269 nutrients for, 270 premenstrual, 15 prevalence of, 16, 269 stress and, 269 testosterone and, 76 types of, 269 acupuncture, 281, 312, 317 adaptogens, 156-58, 304, 311. See also specific herbs adenomyosis, 69, 71, 80, 257 adrenal glands, 29, 127, 139, 181, 142, 241, 310 air fresheners, 229-30 alcohol circadian rhythms and, 173-74 Hormone Intelligence Diet and, 135 microbiome disrupted by, 194 ovarian function and, 109 in Standard American Diet, 108-9 vaginal health and, 299 allopregnanolone, 31 allostasis, 139 allostatic load, 140 alpha-lipoic acid (ALA), 248, 276 Alzheimer's disease, 211 amenorrhea. See skipped periods American College of Obstetricians and Gynecologists, 207

androgens blood sugar and, 274 body fat and, 274 breakfast and, 172 foods affecting, 103, 274, 275 functions of, 31 inflammation and, 102, 242 microbiomes and, 190-91, 192 nutrients and, 275 oral contraceptives and, 277 oxidative stress and, 242 in PCOS, 77, 102, 103, 190-91, 274, 275 androstenedione, 142 anemia, 67, 70, 77, 262 anovulation. See also skipped ovulation conditions related to: fertility challenges, 81; PCOS, 66, 77; underweight, 144, 286 mitochondrial function and, 241-42 nutrients for, 126, 180, 263 oxidative stress and, 241-42 self-assessment of, 68 symptoms of, 66, 68 thyroid function and, 145 anovulatory infertility, 120 antibiotics, 194, 201, 212, 270, 298, 299 antifungals, 299 anti-Müllerian hormone (AMH), 112, 116, 120, 220-21, 245, 275 antioxidants absorption of, 233, 246 benefits of, 246-47 conditions associated with insufficiency, 242 dietary sources of, 234, 246-48 Pill and, 244 supplements, 237, 246 anxiety. See also stress conditions related to, 67, 275, 281 food for, 157 herbs for, 158, 181, 311, 318

AMH. See anti-Müllerian hormone

amygdala, 138-39

microbiome and, 187, 189, 190, 192 nutrients for, 126, 127, 238, 275, 314 perimenopause and, 83, 317 probiotics for, 187, 198 relaxation response programs and, 289 sexual trauma and, 142 yoga and, 258 aromatase inhibitors, 284 aromatherapy, 176, 258, 313 aromatization, 106 arousal fl id, 49 artichoke leaf extract, 237 artificial sweeteners, 106-7, 194 Asherman's syndrome, 69 ashwagandha, 147, 157, 181, 311, 314 autoimmune diseases. See also specifi diseases endometriosis and, 16 endotoxemia and, 187 hormone imbalance and, 17 leaky gut and, 185 menstrual cycle and, 52 NSAIDs and, 203 PCOS and, 77 Pill and, 203, 221 sexual trauma and, 142

В

bacterial vaginosis (BV), 49, 192, 197, 298, 299
basal body temperature (BBT) monitoring, 63–64, 69, 251
bath, aromatherapy, 176
B-complex vitamins, 232, 318
belly breathing, 194, 267
belly fat, 121, 144, 172
benzodiazepines ("benzos"), 79, 181, 283
benzoyl peroxide, 270
berberine, 276
berries, 124, 130, 234, 235, 237, 280
beta-carotene, 195
beta-glucuronidase, 188, 190





hormone imbalance and, 17, 74

inflammation and, 102



390 | INDEX

| β-hCG, 242 |
|---|
| beverages (recipes), 368-71 |
| Bifidobacterium, 156, 187, 200 |
| binge eating, 77, 106, 114, 116, 173 |
| bioidentical hormones, 319 |
| birth control. See also contraceptives; |
| IUDs; Pill, the |
| |
| cycle charting and, 61, 63, 64 |
| fertility awareness method, 61, 224 |
| permanent, 22 |
| as women's burden, 218 |
| birth trauma, 307 |
| bisphenols, 216, 236 |
| bitters, 234–35, 270 |
| black cohosh, 295, 313, 318 |
| bladder infections, 189, 316 |
| bleeding between periods |
| (metrorrhagia), 53, 71 |
| bloating |
| Advanced Protocol for, 267–68 |
| causes of, 267 |
| · · · · · · · · · · · · · · · · · · · |
| conditions related to, 251, 269 |
| conventional approach to, 265, 267 |
| exercise and, 55 |
| food for, 121, 267 |
| herbs for, 259, 267 |
| hormonal birth control and, 57 |
| lifestyle practices for, 267 |
| microbiome and, 189, 192 |
| mind-body practices for, 267 |
| patient story, 268 |
| post-Pill, 222 |
| premenstrual, 15, 51, 75, 192 |
| probiotics for, 198 |
| blood sugar, balancing |
| adaptogens for, 276 |
| |
| benefits of, 274 |
| foods for, 114, 116, 118, 119, 124, |
| 171, 233 |
| herbs and spices for, 196, 276 |
| nutrients for, 125, 127, 180, 236 |
| sleep and, 290 |
| timing of meals for, 132, 173 |
| for vaginal health, 299 |
| blood sugar level |
| circadian rhythms and, 164, 166, 182 |
| food cravings and, 55 |
| insulin and, 32 |
| intermittent fasting and, 173 |
| liver function and, 231 |
| sleep and, 166 |
| |
| snacking and, 132, 155 |
| stress and, 139, 142 |
| blood sugar problems |
| conditions related to: fertility |
| challenges, 288; hot flashes, 312; |
| migraines, 271; mood swings, |
| 317; PCOS, 274, 275, 276; uterine |
| fibroids, 83 |
| high blood sugar, 106, 219, 238 |
| low blood sugar, 133, 144, 171 |

| body |
|---|
| beliefs and stories about, 92, 94, 226, |
| 289, 321 |
| connecting with, 324 |
| language of, 149 |
| listening to, 132, 148–50, 176, 323 |
| love for, 93 |
| pleasure and, 325 |
| stress and trauma stored in, 142, |
| 149, 324 |
| body burden, 205–6 |
| Body Scan practice, 54 |
| BodySpeak, 149 |
| bone loss. See osteopenia/osteoporosis |
| botanical and supplement quick |
| reference guide, 372–81 |
| Botanical Medicine for Women's |
| Health (Romm), 222, 249 |
| boundaries, setting, 151 |
| bowel movements. See also constipation |
| circadian rhythms and, 199 |
| detoxification and, 235 |
| diarrhea and loose stools, 50, 107, 186, |
| 192, 198 |
| food for, 121, 122, 123, 124, 197, 235 |
| healthy, 199 |
| hormone levels and, 50 |
| microbiome and, 189, 192, 235 |
| pain during, 71, 251 |
| physiology of, 184 |
| premenstrual, 51 |
| sexual violence and, 142 |
| wiping after, 298 |
| BPA, 207, 209, 210, 211, 216, 228, 236 |
| BPS, 216, 228 |
| brain. See also cognitive function |
| dark chocolate and, 157 |
| energy needed by, 144 |
| feedback loops and, 29 |
| gut and, 186–88, 193 |
| herbs for, 157, 158 |
| hormonal contraception and, 57 |
| hormones affecting, 54, 56 |
| in stress response, 139 |
| "brainflammation," 187 |
| brain fog, 17, 187, 189 |
| Brassicaceae, 122, 123, 124, 236 |
| breakfast, 132, 171, 172, 332–33 |
| breakthrough bleed, 71 |
| breastfooding 67, 173, 104 |
| breastfeeding, 67, 173, 194 |
| breast milk, 205, 207 breast pain. <i>See</i> cyclic breast tenderness |
| breast, fibrocystic, 126–27 |
| breast sensitivity, 51, 57, 189 |
| breathing, paced, 312 |
| breathing, soft elly, 194, 267 |
| breathing, tantric, 303 |
| broccoli extracts, 236 |
| brown adipose tissue (BAT), 274 |
| B strep, 197 |

(

buckwheat, 274 butterbur, 272 butyrate, 187, 195–96, 200 BV (bacterial vaginosis), 49, 192, 197, 298, 299 B vitamins, 236, 248, 281



| caffeine, 110, 188, 232. See also coffee |
|--|
| calcium, 232 |
| California poppy, 181 |
| cancer (general), 8, 17, 21, 22, 221 |
| cancer, breast |
| circadian disruption and, 164 |
| endometriosis and risk of, 79 |
| foods and, 104, 109, 123, 124, 201, 247 |
| |
| microbiome and, 189, 193 |
| nutrients for, 127 |
| risk factors for, 66, 83 |
| cancer, cervical, 71 |
| cancer, colon, 123 |
| cancer, endometrial |
| foods to avoid, 105, 108 |
| heavy bleeding and, 70 |
| microbiome and, 189, 193 |
| risk factors for, 66, 77, 319 |
| symptoms of, 71 |
| cancer, ovarian, 79, 105, 251 |
| cannabis, 181, 259, 304 |
| carbohydrates |
| complex (slow), 119-22 |
| defined, 119 |
| in Hormone Intelligence Diet, |
| 119–22, 129 |
| during luteal phase, 264 |
| resistant starches, 197 |
| serotonin production and, 120 |
| simple (fast), 119–20 |
| carbonated beverages, 267 |
| cardiovascular disease, 123, 217, 221, |
| 247, 274. See also heart disease |
| Carson, Rachel, 205 |
| CBD (cannabidiol), 181, 259, 283 |
| CBT (cognitive behavioral therapy), |
| 263, 264, 289 |
| celiac disease, 68, 121 |
| cellular repair, 237, 243, 246, 311 |
| cervical cup, 224–25 |
| cervical dysplasia, 236 |
| cervical mucus |
| |
| characteristics of, 47, 48–49, 50–51, |
| 62-63 |
| detecting ovulation from, 47, 48 |
| factors affecting, 62, 288 |
| as part of vital sign, 48 |
| production of, 48 |
| tracking, 62–63 |
| cervical polyps, 71 |
| cervical stenosis, 70 |

cervix, 64





corticotropin-releasing hormone

Chalmers, Leona, 232 chamomile, 266 chaste berry (vitex), 249-50, 276 chemicals and pesticides. See environmental exposures to endocrine disruptors Chinese (Siberian) rhubarb, 313 chocolate, 133-34, 157, 234, 264, 304 cholesterol, 17, 77, 219, 231, 276 choline, 232 chromium, 125 chronic pelvic pain (CPP), 16, 279, 280, 281. See also pain, pelvic chronobiology, 161 chronodisruption, 159, 161, 162, 165 chrononutrition, 171 cigarette smoke, 209 cinnamon bark powder, 262 circadian rhythm defined, 160-61 early vs. modern lifestyles and, 159 - 60hormone function and, 23, 162-67 peripheral clocks and, 161-62 circadian rhythm, disruption of causes: alcohol, 173-74; environmental disconnect, 165, 167; LPS in blood, 185, 187; shift ork, 164, 166, 168 conditions related to: chronic inflammation, 185; depression, 164, 166; diabetes, 164; digestive problems, 164, 199; endometriosis, 164, 166; ovulation/fertility challenges, 165; PCOS, 166-67; sleep problems, 165-68 hormone cycle desynchrony and, 163-66 microbiome disruption and, 194 circadian rhythm, re-syncing body clock with daily rhythms for, 169-70 exercise for, 174 following cycle sense, 179 food for, 170-74 healthy sleeping habits for, 174-79 herbs and supplements for, 179-81 Hormone Intelligence Solution for, 95, 168-81 meal timing for, 172-73 probiotics for, 198 results of, 181-82, 199 circatrigintan cycles, 160 circuit training, 274 cleaning products, household, 208, 215-18, 229-30, 280 Clomid (clomiphene citrate), 108, 123, 276, 277, 292 coconut oil, 119 coenzyme Q10 (CoQ10), 244, 248, 249 coffee, 109-11, 188, 369

cognitive behavioral therapy (CBT), 263, 264, 289 cognitive function brain fog, 17, 187, 189 circadian rhythm and, 182 endocrine-disrupting hormones and, 217 focus, 55, 56, 59, 120, 182, 238 food for, 119, 120, 123, 197 herbs for, 181, 238 memory, 83, 120, 182, 198 microbiome and, 187 POI and, 83 stress and, 140 collagen, 236 Come as You Are (Nagoski), 143, 306 comfort foods, 143-44 conception. See also fertility challenges; ovarian function, nurturing foods supporting, 116, 117, 118 light periods and, 70 menstrual cycle length and, 66 microbiome and, 191 NSAIDS and, 244 nutrients for, 248, 251 period sex and, 55 Pill and, 221 rates of, 287 condoms, 224, 299 conjugated estrogens, 122 constipation causes of, 200 conditions related to, 251, 269 food for, 121, 123, 200 hormone levels and, 50 microbiome and, 189 nutrients for, 127, 200 premenstrual, 51 preventing, 200-201 probiotics for, 198 secondary dysmenorrhea and, 71 sexual trauma and, 142 stress and, 186 contraception. See birth control contraceptives, hormonal cycle sense short-circuited by, 57 hormonal IUDs, 225 noncontraceptive uses of, 21, 221, 222, 259, 277, 284 oral contraceptive pills (OCPs), 219, 220, 221, 222, 291 (See also Pill, the) progestin-only, 219 risks of, 219, 272 side effects of, 57 starting and stopping, 71 transdermal patches, 219 vaginal ring, 219, 225 contraceptives, nonhormonal, 224-25, corpus luteum, 50, 165, 242, 247, 248, 249

(CRH), 139 cortisol blood sugar and, 144, 276 circadian rhythms and, 161, 162-63, 165, 172, 175 dieting and, 114, 144 endocrine-disrupting hormones and, 208 exercise and, 174 food and, 121, 143, 172 functions of, 31, 139-40, 141, 162-63 herbs affecting, 157, 276, 314 high, 36, 39-40, 140, 141 libido and, 301 microbiome and, 187 nutrients and, 127, 147 prebiotics and, 197 production of, 31, 165 release of, 23, 29, 31, 139 sex drive and, 143 stress and, 139, 140, 141, 142-43, 144, 154 testing, 140 cortisol awakening response (CAR), cosmetics, 213, 229 CPP (chronic pelvic pain), 16, 279, 280, 281 cramp bark, 259 cramps, from IUDs, 225 cramps, menstrual Advanced Protocol for, 258-62 causes of, 69, 102, 222 conventional approach to, 259 endocrine-disrupting hormones and, 209 foods and, 110, 112, 258 herbs for, 181, 259 lifestyle practices for, 55, 179, 258 mind-body practices for, 258 normal, 16, 43, 45, 51, 71-72 nutrients for, 126, 127, 179, 258-59 secondary dysmenorrhea and, 71 cranberry, 316 cravings blood sugar levels and, 114 causes of, 140, 143, 189, 190 circadian rhythm and, 171-72, 182 cycle sense about, 59-60 during follicular phase, 56 food for quelling, 113, 116, 133, 157 insulin resistance and, 106, 275 during luteal phase, 59 microbiome and, 186, 189, 192, 193 nutrients for quelling, 127 during ovulation, 56 PCOS and, 275 during periods, 55 premenstrual, 15, 43, 51, 59 sleep shortages and, 171









creativity, 17, 55, 56, 59 CRH (corticotropin-releasing hormone), 139 Crohn's disease, 203 curcumin, 158, 234, 237, 249 cycle sense cycle charting and, 60-64 for fertility challenges, 286 during follicular phase, 55-56 in healing stress, 155–56 hormonal birth control and, 57 for improved sleep, 179 as inner guidance system, 51-54 listening to body with, 53, 54 during luteal phase, 58–60 during ovulation, 56-58 during period, 54-55 cyclic breast tenderness Advanced Protocol for, 266 conditions related to, 67 conventional approach to, 266 foods and, 266 herbs for, 250, 266 lifestyle practices for, 266 microbiome and, 189, 193 nutrients for, 126-27, 236, 266 cysts, ovarian, 250 cytokines, inflammatory, 144, 191, 238

"daily dose" supplements, 126, 131, 332 dairy products bone health and, 105 cow's milk, 104 environmental toxins in, 105, 206, 213 hormone function and, 104-5 low-fat, 104-5 nutrients in, 236 in Standard American Diet, 104-5 Dalkon Shield, 22, 225 danazol, 283 dark chocolate, 133-34, 157, 234, 264 DDT, 209-10 dental care, 286 Depo-Provera, 225 depression circadian rhythms and, 164, 166 conditions related to, 67, 274, 275, 281; endometriosis, 16; PCOS, 16, 76 endocrine-disrupting hormones and, 209 food for, 133, 264 herbs and, 157, 158, 234, 238, 250, 318 hormone imbalance and, 17, 74 hormone shifts and, 60 inflammation and, 102 intermittent fasting and, 173 libido and, 304 medical dismissal of, 20

microbiome and, 187, 189, 190, 192

nutrients for, 126, 127, 236 perimenopause and, 83, 317 Pill and, 219 premenstrual, 15 probiotics for, 198 relaxation response programs and, 289 root cause imbalances, 74 sexual trauma and, 142 sleep problems and, 166 stress and, 138, 142, 145 thyroid function and, 145 when to seek medical attention, 53 yoga and, 258 DES (synthetic estrogen), 22 detoxification, from environmental exposures around home, 229-30, 231 benefits of, 226 defined, 226-27 feminine hygiene products supporting, 232-33 food for, 116, 124, 197, 227, 230, 232 - 35herbs for, 234-35, 237-38 Hormone Intelligence Solution for, 226-38 melatonin and, 163 microbiome and, 186, 235 nutrients for, 126, 232, 236-37 personal care products supporting, 228-29 Pill-related problems, 221-22, 233 reducing plastic, 226, 228, 280 sleep and, 235-36 timeline for, 238-39 DHA, 117, 127 DHEA, 142, 314 DHEA-S, 142, 275 diabetes. See also insulin; insulin resistance circadian rhythms and, 164 endocrine-disrupting hormones and, 209, 211, 217 food for, 123 hormone imbalance and, 8, 16, 17, 77 microbiome and, 187 nutrients for, 125 Pill and, 219 sexual trauma and, 142 diabetogens, 209, 211 diaphragm, 224-25 diarrhea and loose stools, 198 diet, Standard American (SAD) chronic diseases rooted in, 101 dairy products in, 104-5 fats in, 103 fiber lacking in, 122

hormone functioning impaired by,

101, 111-12

meat in, 102-3

overview, 131 phytonutrient gap and, 101, 111-12, soda, wine, and coffee in, 108-11 sugars in, 105-7 ultra-processed foods (nonfoods) in. 101 vegetable oils in, 103-5 diet, supporting hormone health with. See Hormone Intelligence Diet diet types and approaches exposome and, 24 gluten-free, 121, 280 healthy mindset about, 100-101 intermittent fasting, 173 low-carb and no-carb, 120-22, 172 low-fat, 103 Mediterranean, 155, 246 plant-based, 112, 114, 122, 196, 286 restrictive, 114, 121-22, 144, 173 vegan, 258, 280, 338 vegetarian, 112, 114, 123 digestion/digestive conditions. See also bowel movements; constipation; IBS circadian rhythms and, 164, 199 conditions related to, 16, 67, 191 foods and, 123 hormones and, 50, 183 microbiome and, 189, 190 mindful eating and, 199 prevalence of, 183 stress and, 140 DIM (diindolylmethane), 236, 266, 295 dioxins, 210, 214 D-mannose, 316 dopamine, 143 douching, 298 Dr. Aviva's Uterine Fibroid Tincture, dysbiosis, intestinal, 189. See also microbiome imbalance dysbiosis, vaginal, 190-91, 192, 298 dysmenorrhea, 71. See also period

microbiome and, 189

ecosystem, inner, 7, 24, 30, 100 ecosystem, outer, 7, 24, 30 EDCs. See endocrine-disrupting chemicals; environmental exposures to endocrine disruptors EFAs. See essential fatty acids EGCG, 237, 283 egg quality, 210, 242, 246, 249, 290 eggs, 117-18, 128, 234, 288 eggs (recipes), 352-54 electronic devices, 169, 175-77, 199, 302 emergency contraception, 71 emotional labor, 138-39







emotions, 58, 59, 148-49, 302. See also mood endo belly, 191 endocrine-disrupting chemicals (EDCs). See also environmental exposures to endocrine disruptors in air, 215–16 in air fresheners, 229-30 conditions related to, 217 detoxification from (See. detoxification, from environmental exposures) in food, 212 health impact of, 81, 208-11, 216-17 in household products, 215-18 mechanism of, 209 overview of, 216-17 in personal care products, 213-14 reducing exposure to, 236 sources of exposure to, 216-18 timing of exposure to, 211–12 in water, 212-13 endocrine system, 29-30, 66, 183 endometrial ablation, 262 endometrial lining, 70, 72, 79-80 endometriosis vs. adenomyosis, 80 Advanced Protocol for, 279-84 age of onset, 77 causes of, 78, 80, 185, 191 circadian rhythm and, 164, 166 conditions related to: autoimmune disease, 16, 121; bleeding between periods, 71; digestive conditions, 191; heavy menstrual bleeding, 69; IBS, 50; period pain (dysmenorrhea), 71; sleep problems, 166 conventional approach to, 79, 283-84 defined, 79 diagnosis of, 16, 18, 19, 77-79 endocrine-disrupting hormones and, 210, 212, 217 factors affecting, 80 food for, 112, 117, 119, 246-47, 280 foods to avoid, 102, 103, 109, 112, 280 growing public visibility of, 15 herbs for, 283 impact of, 16, 79 inflammation and, 166, 191 lifestyle practices for, 280 microbiome and, 189, 190, 191, 192, 280 mind-body practices for, 281 mitochondrial function and, 242 nutrients for, 126, 127, 236, 237, 238, 246-47, 281, 291 oxidative stress and, 166, 242 patient story, 284 Pill and, 221, 284

prevalence of, 16, 77 relaxation and, 152-53 risk factors for, 280 self-assessment of, 78 sex and, 305 sexual/physical abuse and, 142 sleep and, 166, 281 stress and, 140, 143, 145, 281 symptoms of, 67, 78, 79, 80, 279, 283 thyroid function and, 145 endotoxemia, 185, 186-87 energy drinks, 108 enteric nervous system, 186 enterohepatic circulation, 188 entrainment, 161 environmental exposures, healing from. See detoxification, from environmental exposures environmental exposures to endocrine disruptors body burden, 205-8 conditions related to, 209-11, 212; early menopause, 211; endometriosis, 210; fertility challenges, 210; mood, 74; PCOS, 210; period problems, 209; premature puberty, 209-10; thyroid problems, 211; toxic fat, 211; uterine fibroids, 210–11 endocrine-disrupting chemicals, 208 - 9heavy metals, 117, 206-7, 208, 212, 213, 218 hormone function and, 208, 209-11 immune system and, 231 inflammation and, 208 inner and outer ecosystems affected by, 6-7lack of testing for, 205-6 loss of detoxification resilience and, 231 metalloestrogens, 217 microbiome imbalance and, 194, 208 - 9miscarriage, 210 mitigating risk of, 236 mitochondrial function and, 243 overview of, 216-17 oxidative stress and, 240 persistence of, 205, 208 prenatal, 212 sources of (See also pesticides); air, 215-16; air fresheners, 229-30; cosmetics, 213; feminine hygiene products, 214-15; food, 105, 117, 186, 206, 207, 212, 213; fragrances, 213-14; herbicides, 216, 226, 230, 238, 280; household products and items, 208, 210, 215–18; personal care products, 208, 213-14; water, 212 - 13

timing of, 211-12 women's exposure to, 207-8, 210, 228 Environmental Protection Agency (EPA), 117, 127, 205, 214 Environmental Working Group (EWG), 207, 208, 228, 229 epigenetics, 102, 243 essential fatty acids (EFAs). See also omega-3 fatty acids defined, 103-4 foods and, 117, 195 functions of, 104 herbs and, 158 for microbiome restoration, 195 supplements, 195, 332 essential oils, 228 Essure, 22 estradiol (E2), 30, 32, 108-9, 245 estrobolome, 188, 190, 193 estrogen. See also estradiol (E2) aging and production of, 83 alcohol and, 190 bowel movements and, 50 during breastfeeding, 67 cervical mucus and, 48, 50-51, 62 cervix position and firmness and, 60 circadian rhythms and, 163, 165, 166 creativity and, 59 elimination of, 235 endocrine-disrupting hormones and, 208, 210 in endometriosis, 79-80 focus and, 56 during follicular phase, 46, 48, 179 food cravings and, 55 foods affecting, 102, 104, 110, 121, 122, 123, 232 functions of, 30-31, 80 herbs affecting, 315 hormonal birth control and, 57 in HRT, 21, 319 during luteal phase, 50–51 menstrual migraines and, 75 microbiome and, 188, 189, 190 mood and mindset and, 55, 58-59 nutrients supporting healthy levels of, 126, 236, 250 during period, 44 PMS and, 50 during premenstrual phase, 179 production of, 188 restrictive diets and, 144 sex drive and, 56, 60 sleep and, 55, 56, 59, 166 stress and, 141, 144, 166 synthetic, 22 uterine fibroids and, 210-11 estrogen, high cyclic breast tenderness and, 266 endometriosis and, 106, 191

microbiome and, 189, 191









| estrogen, high (continued) | FertilityBlend, 251 | hormone-healthy fats in, 119 |
|--|--|---|
| nutritional supplements for, 236, | fertility challenges. See also conception; | in Hormone Intelligence Diet, |
| 237, 238 | ovarian function, nurturing; | 116–17, 128 |
| in PCOS, 106 | ovulation | nutrients in, 236, 249 |
| symptoms/causes/risks, 33, 38, 69, 72 | Advanced Protocol for, 285–92 | for perimenopause, 311 |
| thyroid function blocked by, 145 | causes of, 81, 82, 285–86, 289 | recipes, 355–56 |
| uterine fibroids and, 83 | circadian rhythm and, 163, 164, 165, | wild, 235 |
| estrogen, low | 166, 290 | fish oil, 117, 258, 318 |
| conditions related to, 298 | conditions related to: celiac disease, | 5-HTP (5-hydroxytryptophan), 180 |
| HRT for, 319 | 121; endometriosis, 16, 79; | flame retardants, 210–11, 216, 217, 231 |
| microbiome and, 189, 190 | luteal phase dysfunction, 242; | flaxseeds |
| symptoms/causes/risks, 33-34, 38, 69, | overweight, 107; PCOS, 16, 77; sleep | in detoxification, 234 |
| 70, 165, 298 | problems, 166 | hormone health and, 123, 201 |
| vaginal dryness and, 298, 301 | conventional approach to, 21, 203, 292 | microbiome supported by, 200, 201 |
| estrogen metabolites, 235 | defined, 80 | ovarian health and, 247 |
| EWG (Environmental Working Group), | endocrine disruptors and, 210, 212, | ovulation supported by, 263 |
| 207, 208, 228, 229 | 215, 218, 220, 228 | for perimenopause, 311 |
| excision surgery, 284 | factors affecting, 82, 221, 286, 289 | phytoestrogens in, 123, 188 |
| exercise | food for, 112, 117, 118, 120, 123, | fl id retention, 51 |
| circadian rhythm and, 174 | 246–47, 286–88 | focus, 55, 56, 59, 120, 182, 238 |
| cycle sense about, 55, 56, 59–60 | foods to avoid, 102–3, 104–5, 108, 109, | folate/folic acid, 232, 233, 236, |
| detoxification and, 235 | 110, 112, 188 | 248, 272 |
| microbiome and, 193, 200 | herbs for, 291 | follicles, 31, 32, 46, 141, 243, 250, 275 |
| ovarian health supported by, 252 | impact of, 16 | follicle-stimulating hormone (FSH), 32, |
| overexercising, 144, 153 | integrative approach to, 292 | 141, 163, 166, 245 |
| during perimenopause, 310 | lifestyle practices for, 286 | follicular phase of menstrual cycle. See |
| period length and, 60 | microbiome and, 189, 192, 193 | also periods |
| during periods, 55 | mind-body practices for, 287, 289–90 | cervical mucus during, 48, 62 |
| sexual health and, 303 | mitochondrial function and, 242-43 | cycle sense during, 55–56 |
| stress and, 144, 153 | nutrients for, 126, 180, 236, 237, 246- | energy during, 156 |
| timing of, 174, 176 | 47, 248, 263, 275, 276, 290–91 | Hormone Intelligence Diet and, 133 |
| exposome, 4, 7, 24–25 | overmedicalization of, 21 | overview, 46 |
| _ | oxidative stress and, 242–43 | as "spring" of cycle, 55 |
| F | patient stories, 288, 290 | supporting sleep during, 179 |
| | Pill and, 221 | food, cycle sense about, 55, 56, |
| FA (fertility awareness) method, 61, 224 | prevalence of, 16, 80 | 59–60 |
| fasting, intermittent, 173 | probiotics for, 197 | foods |
| fatigue | self-assessment of, 81 | addiction to, 144 |
| circadian rhythms and, 165 | sleep and, 166, 290 | anti-inflammatory, 156, 158, 369 |
| hormone imbalance and, 17 | stress and, 140, 143, 144, 145, 154, 289 | awareness of body's response to, 149 |
| low libido and, 302 | subfertility, 80, 287 | with diuretic properties, 267 |
| microbiome and, 187, 189 nutrients for, 236 | symptoms of, 67, 81 tests for, 245 | diversity of, 196 fermented, 125, 131, 197, 262, 299 |
| PMS and, 75 | thyroid function and, 145 | for hormone health (See Hormone |
| relaxation response programs | fertility window, 46–47, 62, 81 | Intelligence Diet foods) |
| and, 289 | feverfew, 272 | iron-rich, 262, 264 |
| sleep problems and, 165 | fiber | organic, 113–14, 226 |
| fat phobia, 103, 118 | in detoxification, 232–33, 235 | plastic packaging on, 228 |
| fats. See also essential fatty acids | dietary lack of, 122 | potassium-rich, 267 |
| in Hormone Intelligence Diet, | dietary sources of, 121, 122–24, 196, | power, 232–35 |
| 118–19, 129 | 200, 201, 232 | spicy, 304, 312, 314 |
| in Standard American Diet, 103 | insoluble, 122 | in Standard American Diet, 101–7 |
| types of, 103 | for microbiome restoration, 196 | wild, 235 |
| fat shaming, 77 | for perimenopause, 310–11 | food triggers, 125, 194, 271 |
| fatty acids, 126 | soluble, 122, 201 | foreplay, 315 |
| feedback loops, 29–30 | fibroids. See uterine fibroids | fragrances, 213–14, 228–29, 232 |
| feminine hygiene products, 214–15, | fi romyalgia, 142 | fruits |
| 232–33, 258, 298 | firmicutes, 187, 193 | canned/frozen, 330 |
| fermented foods, 125, 131, 197, 262, 299, | fish | in detoxification, 237 |
| 362–63 | in detoxification, 235 | in Hormone Intelligence Diet, |
| fertility, as vital sign, 80-82, 287 | heavy metals in, 117, 207, 212 | 111–12, 114, 124–25, 130 |







as clues to improving overall health,



nutrients in, 237 organic, 226 for perimenopause, 311 prebiotics in, 197 FSH (follicle-stimulating hormone), 32, 141, 163, 166, 245 functional cysts, 250 fungal infections, 189

GABA (gamma aminobutyric acid), 178, 181 garlic, 233 gas, intestinal, 186, 189, 267 genitourinary syndrome of menopause (GSM), 315 GERD (acid refl x), 203 ghee, 119, 196 ginger, 272 gingerroot, 259, 262, 283 ginger tea, 267 ginkgo, 266 glucosinolates, 232 glutathione, 126, 203, 242, 244 gluten, 121, 194, 287-88 glycine, 180, 236 glymphatic cells, 163 glyphosphate, 216 GnRH (gonadotropin-releasing hormone), 141, 163, 165 GnRH agonists, 296 GnRH analogues, 284 goddess bowls (recipes), 342-45 gonadotropins, 277 grains, 119, 330, grains (recipes), green juice (recipes), 363-64 greens in detoxification, 232-33 leafy, 122-23, 124, 129, 234-35, 262 recipes, 345-48 green tea/green tea extract, 234, 237, 251, 276, 283, 295 gut. See also intestinal lining; microbiome, intestinal hormone function and, 183, 188 mood and, 187, 188, 192 as "second brain," 186 gut-associated lymphoid tissue (GALT), 184 - 85gut-brain axis, 186-88, 193

HA. See hypothalamic amenorrhea hair growth, unwanted (hirsutism) conventional approach to, 277 herbs and, 276 nutrients and, 275 PCOS and, 16, 67, 69, 76, 276

progestin-only contraception and, 219 hair loss/thinning hair birth control and, 225 herbs for, 237, 276 hormone imbalance and, 17 mitochondrial function and, 243 nutrients for, 276 oxidative stress and, 243 PCOS and, 16, 67, 69, 76, 77, 276 Harvard Nurses' Health Study, 102, 103, 108, 289 Hashimoto's thyroiditis conditions related to, 121, 145 food and, 106-7, 124 microbiome and, 189, 193 symptoms of, 145 Hazda people, 188, 189 healing mindset for, 91-94 recovering women's wisdom about, 87 - 88time frame for, 93-94, 325 women's historical role in, 87 healthcare, taking charge of, 90-91, 281 health-related quality of life (HrQOL), 16 heart attack risk, 77, 83 heart disease, 16, 77, 83, 211 heavy menstrual bleeding (HMB, menorrhagia), 69-70 heavy metals, 117, 206-7, 208, 212, 213, 218. See also environmental exposures to endocrine disruptors herbal suppository, 200, 299 herbicides, 216, 226, 230, 238, 280 herbs and spices. See also adaptogens; bitters; specific herbs anti-inflammatory, 234, 237, 369 in Hormone Intelligence Diet, 131 for microbiome restoration, 196 stocking in pantry, 331 supporting sleep with, 179-81 high-intensity interval training (HIIT), 252 hirsutism. See hair growth, unwanted holistic gynecology, 22, 24-25, 26 holy basil, 157 home, detoxifying, 210, 230, 231. See also cleaning products, household homocysteine, 102-3, 126 hops, 181, 313, 314, 315 "hormonal," 51-52, 58 hormone conditions. See also specific conditions accepted as normal and inevitable, 7-8, 19, 45 age of onset for, 17 causes of (See hormone imbalance, root causes of)

6, 23 common factors in, 84, 85, 94 complexity of, 84-85 genetics and, 6 growing public visibility of, 15 impact of, 8, 14, 15-16, 17 interconnectedness of, 17, 27 as "invisible illness," 17-18 medical diagnosis and treatment of, 3-4, 13, 18, 19-22 misinformation/lack of education about, 19 overview of, 3 prevalence of, 14, 15, 17-18 stigma around, 19 symptoms of, 17, 67 term usage, 7 hormone disruptors. See endocrinedisrupting chemicals (EDCs) hormone ecology, 26 hormone health interconnectedness of, 4, 6, 17, 27 lack of education about, 19 self-assessment of, 38-40 as vital sign of total health, 6, 7, 84 hormone imbalance. See also hormone conditions hormonal birth control and, 57 self-assessment of, 38-40 symptoms associated with, 33-37 term usage, 7 in young women, 72 hormone imbalance, root causes of addressing (See Hormone Intelligence Diet; Hormone Intelligence Plan; specific conditions) circadian rhythm disruption (See circadian rhythm, disruption of) diet (See diet, Standard American) environmental exposures (See environmental exposures to endocrine disruptors) microbiome imbalance (See microbiome imbalance) neglected in conventional medical approaches, 4 oxidative stress (See oxidative stress) Pill and, 222 stress (See stress; stress response) hormone intelligence. See also cycle addressing root causes, 25 defined, 27 developing through charging cycle, 61 ecosystem approach, 24-25, 26 listening to hormones and symptoms, 23-24 obstacles to, 13, 57 wisdom revived in, 321-24

for young women, 72









Hormone Intelligence Diet anticipating challenges, 116 cycle sense eating, 133, 332 detoxification supported by, 227, 230, 232 eating more plants, 114 eating real foods, 113-14 food prep, 330 foods to avoid, 121, 131 (See also diet, Standard American) foods to eat (See Hormone Intelligence Diet foods) hydrating, 114 indulging occasionally, 114-15, 135, 365 journaling food and symptoms, 134 keeping it simple, 329, 333 maintaining energy and blood sugar, 114 meal planning, 115, 332-33 meal times, 132, 133 menus, 334-38 mitochondrial function supported by, 242, 243-44 overview of, 115, 128-31 phytonutrient gap bridged by, 113, 126 post-Pill, 223 quick tips for, 330 quitting sugar, 113 rebooting, 135 root causes addressed by, 99-100 self-kindness, 116 setting up for success, 132-35 shopping for, 330 snacking in, 132 stocking pantry for, 330-31 supplements, 125-27, 131, 332 Hormone Intelligence Diet foods. See also recipes beverages, 131 fats, 118-19, 129 fermented foods, 125, 131 herbs and spices, 131 protein sources, 116-18, 128-29 slow carbs, 119-22, 129 supplements, 125-27, 131, 332 vegetables and fruits, 122-25, 129 - 30Hormone Intelligence Plan addressing root causes with, 25, for detoxification, 226-38 (See also detoxification, from environmental exposures) exposome/holistic approach in, 25, 26 for healing gut imbalances (See microbiome balance, restoring) for improving diet (See Hormone Intelligence Diet) origin and development of, 8

for reducing stress, 168-82 (See also stress-hormone pathway, healing) for repairing damage from oxidative stress, 245-52 (See also mitochondrial function. supporting; ovarian function, nurturing) for re-syncing body clock with circadian rhythm, 95, 168-81 (See also circadian rhythm, resyncing body clock with) time required for, 9-10, 325 hormone replacement therapy (HRT), 21, 211, 316, 319 hormones. See also specific hormones bioidentical, 319 body functions regulated by, 29-30 circadian rhythms and, 161 cultural attitudes about, 19, 74 cycle sense about, 52-54 hormonal birth control and, 57 internal and external signals infl encing, 23, 29-30 as messengers, 23, 28-29 production of, 103, 104, 144 regulation of, 29 term etymology, 29 throughout menstrual cycle, 51–52 as treatment for gynecologic conditions, 84, 85 hormone signaling, 8, 25, 94, 101, 104, 111, 132 hormone testing, 32. See also Women's Hormone Panel; specific conditions conventional approaches to, 319 depression and, 317 duration of, 312 food for, 123, 312 herbs for, 311, 312-13, 314 impact of, 312 lifestyle practices for, 312 mind-body practices for, 312 nutrients for, 180, 312 patient story, 313 prevalence of, 312 sleep and, 312, 314, 317 HPA (hypothalamic-pituitary-adrenal) axis defined, 29 fertility challenges and, 289 foods supporting, 155, 197 herbs supporting, 158 microbiome and, 187, 197 PCOS and, 275 PMS and, 264 probiotics and, 156, 197 in stress response, 138-39, 140 triggers for, 142, 187 HPO (hypothalamic-pituitary-ovarian) HPT (hypothalamic-pituitary-thyroid) axis, 29, 144 HRT (hormone replacement therapy), 21, 211, 316, 319 hydration, 108, 113, 114, 235 hyperandrogenism, 277 hyperglycemia, 240 hyperthyroidism, 145 hypothalamic amenorrhea (HA) causes of, 68-69; chronic stress, 141, 143, 144, 289; overexercising, 153, 286; thyroid problems, 68 conditions related to: celiac disease, 68; light periods, 70; PCOS, 68-69, 70; POI, 68; skipped ovulation, 69, nutrients for, 291 restrictive diets and, 144 risk factors, 68 symptoms of, 68-69 testing for, 69 hypothalamic-pituitary-adrenal axis. See HPA axis hypothalamus, 30, 139 hypothyroidism conditions related to, 17, 145; light periods, 70; PCOS, 77; PMS, 263 herbs for, 147 mitochondrial function and, 243 nutrients for, 126, 147 prevalence of, 17 symptoms of, 145 thyroid-disrupting hormones and, 211 hysterectomy, 17, 21, 82, 262, 296 hysteria, 141

IBS (irritable bowel syndrome) contributing factors, 50, 202 endometriosis and, 50, 191 foods and, 107, 196, 202, 280 herbs for, 202 hormones and, 50 microbiome and, 189, 196 misdiagnosis of, 191 probiotics for, 198 sexual trauma and, 142, 194 stress and, 186 supplements for, 202 symptoms of, 202 immune function circadian rhythms and, 164 in endometriosis, 79, 80, 280 environmental toxins and, 231 foods supporting, 197 herbs for, 157, 181 during menstrual cycle, 52 microbiome and, 186, 192 stress and, 140



L-carnitine, 248, 275



implantation bleeding, 71 indole-3-carbinol (I3C), 295 indoles, 123, 232, 236 indulgences, healthy in Hormone Intelligence Diet, 114-15, recipes, 364-68 infertility, 80, 242, 243. See also fertility challenges inflammaging, 243 inflammation blood sugar levels and, 274 chronic/systemic, 102, 162, 192, 203 circadian rhythms and, 164, 166, 182 conditions related to, 102; endometriosis, 191; insulin resistance, 32; leaky gut, 185, 187, 203; PCOS, 77; sleep problems, 166 defined, 102 endocrine-disrupting chemicals and, endometriosis and, 79 exercise and, 274 food for, 120, 197, 247 foods causing, 102, 103, 104-5, 109, 144 of gums, 286 herbs for, 157, 196, 238 microbiome and, 187, 190 nutrients for, 276 oxidative stress and, 239-40 Pill and, 221 premenstrual, 51, 52 symptoms related to, 103 inner critic, quieting, 152 inner guidance system, 52-60 inositol, 147, 275 insomnia, 314 insulin body fat and, 77, 274 foods and, 122, 123, 274 functions of, 31-32 high, 37, 40 (See also insulin resistance) nutrients and, 275 in PCOS, 76, 274, 275 in stress response, 139 uterine fibroids and, 83 insulin-like growth factor (IGF-1), 104 insulin resistance binge eating and, 106 blood sugar levels and, 274 circadian rhythm and, 172 conditions related to: PCOS, 32, 77, 85, 106, 185, 222; sleep apnea, 77 defined, 106 endocrine-disrupting hormones and, food for, 118, 119, 120, 122, 123, 157 foods to avoid, 103, 106 inflammation and, 32, 102, 190, 242

leaky gut and, 185 microbiome and, 187, 189, 190, 192, 194 mitochondrial function and, 242, 246 nutrients for, 125, 127, 180, 248, 275 oxidative stress and, 240, 242 Pill and, 219, 222 probiotics for, 197 stress and, 142 symptoms/causes/risks, 37, 40 insulin sensitivity exercise and, 252, 274 fertility challenges and, 288 herbs and spices for, 196, 238 nutrients for, 275, 276 off-label medications for, 277 intermittent fasting, 173 interoception, 148 interstitial cystitis, 189 intestinal dysbiosis, 189. See also microbiome imbalance intestinal lining, 184-85, 186, 187, 195-96, 237 intestinal permeability. See leaky gut intimacy, prioritizing, 303 intimate partner violence (IPV), 142 intrauterine insemination (IUI), 292 "invisible illness," 17-18 in vitro fertilization. See IVF iodine, 126-27, 146, 211, 213, 266 iron, 118, 232, 262, 264. See also anemia irritability, premenstrual, 15 irritable bowel syndrome. See IBS IUD, 22, 221, 225, 262, 296 IVF (in vitro fertilization) in conventional approach to fertility challenges, 292 endocrine-disrupting hormones and, 210 foods supporting, 119, 120 herbs and, 251 microbiome and, 191, 192 nutrients supporting, 126, 291 overweight and, 107 journaling, 134, 177 kava kava, 318 krill oil, 264, 266 Lactobacillus spp., 156, 198, 200, 281, 291, 299, 316 L-arginine, 248, 249, 251

leafy greens, dark, 122-23, 124, 129, 234–35, 262 leaky gut defined, 185 factors, 202 affecting herbs for, 237 HPA axis activated by, 187 inflammation and, 185, 187, 203 nutrients for, 196 Pill and, 203 restoring, 203-4 (See also microbiome balance, restoring) sleep and, 163, 187 stress and, 186 supplements for, 202 symptoms of, 185, 187, 192, 202 thyroid function and, 193 legumes and beans in detoxification, 234 fiber in, 122, 123 in Hormone Intelligence Diet, 118, 128 nutrients in, 236 phytoestrogens in, 123, 188 prebiotics in, 197 recipes, 350-52 as slow carbs, 119, 121 stocking in pantry, 330 lemon balm, 313, 314 leptin, 106 L-glutamine, 196 LH (luteinizing hormone), 32 libido. See also sexual health circadian rhythm and, 182 factors affecting, 301-2 herbs for, 158 hormones affecting, 56-58, 60 in perimenopause, 317 Pill and, 219-20 throughout menstrual cycle, 46, 50, 55, 56 variability and complexity of, 301, 307 libido, low. See also sexual health causes of, 85, 301 conditions related to, 301-2 herbs for, 158, 304, 311 perimenopause and, 83 Pill and, 219–20 stress and, 141, 301, 302 light, circadian rhythms and, 169-70, 175, 177 light periods, 70 light therapy, 170, 264 lignans, 188, 201, 247 lipopolysaccharides (LPS), 185, 187, 191, 280 listening to cyclic changes, 53-54 liver function, 109, 188, 203, 231 long menstrual cycles, 66

low FODMAPs diet plan, 267, 280





lavender, 176, 178, 272

lavender oil, 181, 318

398

INDEX

LPS (lipopolysaccharides), 185, 187, 191, 280 lubrication, vaginal, 49, 299, 305, 315 lunar cycle, 160 luteal phase dysfunction, 241-42, 248, 249 luteal phase of menstrual cycle. See also ovulation; premenstrual phase alcohol and, 109 antioxidants supporting, 247 as "autumn" of cycle, 58 cravings during, 59 cycle sense during, 58-60 Hormone Intelligence Diet and, 133 hormone levels during, 50–51 length of, 247, 263, 275, 276 nutrients supporting, 263 overview, 46 sleep and, 162, 179 luteinizing hormone (LH), 32, 46, 141, 163, 165

maca, 158, 304, 311 magnesium conditions associated with insufficiency, 125 in detoxification process, 232 dietary sources of, 233 functions of, 125, 127, 156 for stress response support, 156 supplements, 180 magnesium citrate, 127, 200 magnesium glycinate, 127 Maitake mushroom, 276 marshmallow root, 316 massage, 258, 271, 280, 281, 282, 310 masturbation, 306 mindfulness during, 198-99 size of, 171, 172 timing of, 132, 133, 172-73 12:12 meal plan, 173 meat, red antibiotics in, 201, 212 in Hormone Intelligence Diet, 118, 129 L-glutamine in, 196 nutrients in, 236, 249, 262, 264 recipes, 357-58 in Standard American Diet, 102-3 medical attention, when to seek, 53, 71 medical system vs. early women healers, 87 female vs. male doctors in, 90 weight bias in, 77 women's health deprioritized by, 18, 19-20, 141

women's health overmedicalized by,

medication overuse headache (MOH), medications avoiding unnecessary, 201, 218 endocrine-disrupting hormones and, libido affected by, 302 microbiome disrupted by, 194, 201 mitochondrial function and, 243 supplement interactions, 237–38 vaginal dryness and, 315 meditation, 149, 152-53, 194, 264, 267, 289 Mediterranean diet, 155, 246 melatonin antioxidant properties of, 249 circadian rhythms and, 161, 162-63, 164, 165, 175, 176 cortisol and, 165 foods and, 121, 173 functions of, 31, 162-63, 165, 166, 180 leaky gut and, 163, 187 ovarian health and, 249 ovulation and, 166-67 oxidative stress and, 249 production of, 31, 165 release of, 23, 30, 175 supplements, 165, 180 #metoo movement, 15 memory problems, 83, 120, 182, 198 menopause age of onset, 28, 83, 112 attitudes and beliefs about, 92 defined, 83 early, 211, 311 endometriosis and, 80 food for, 123 growing public visibility of, 15 in hormone arc, 28 nutrients for, 238

overmedicalization of, 21, 319 menses, 160, 224 menstrual cup, 232 menstrual cycle. See also cycle sense; periods characteristics of healthy, 42-43

charting, 60-64 circadian rhythms and, 164, 165 defined, 44 estrogen-disrupting chemicals

and, 209

immune function during, 52 lack of education about, 41 length of, 42-43, 66-67, 141, 209 microbiome and, 192-94

mood during, 43 pain during, 43 (See also under

phases of, 43-51 (See also follicular phase; luteal phase; ovulation;

proliferative vs. secretory phase, 51 stress and, 140, 141 thyroid function and, 145 varying hormone levels throughout, 51–52 (See also specific hormones) as vital sign, 42 menstrual disorders. See also specific conditions menstrual migraines, 75 menstruation. See also periods

age of onset, 104, 121 attitudes and beliefs about, 74, 92, 262 body fat required for, 144 overview, 46

term etymology, 55, 160 mercury, 117, 207

metabolic detoxification, 227, 231. See also detoxification

metabolic hormones, 208. See also insulin; thyroid hormones metabolic syndrome, 77, 123, 180, 211,

219, 233 metformin, 125, 277 methylfolate, 126, 291 microaggressions, 142 microbiome, breast tissue, 193 microbiome, intestinal

circadian rhythms and, 162, 163, 164 composition of, 185-86, 188-89, 200 cravings and, 186, 189, 192, 193 detoxification and, 186, 235

environmental factors, 194 fertility and, 192 functions of, 186

hormone function and, 183, 188 interconnectedness of, 186, 187-88, mental health and, 187

mood and, 187, 188 nutrient absorption and, 246 prenatal transfer, 194 sleep and, 187, 188 stress and, 140, 186, 190 testing, 186

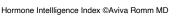
thyroid function and, 193 microbiome, vaginal, 190-91, 192, 193 microbiome balance, restoring

pharmaceuticals, 201-2 detoxification and, 232, 235 exercise, 200 food for, 202; diverse foods, 188; fats, 119; fermented foods, 125; fiber,

avoiding unnecessary

122, 123, 124, 200, 232; slow carbs, 119; vegetables and fruits, 122, 124 foods to avoid, 107, 109, 187 gauging progress, 204 Hormone Intelligence Diet for, 195-98

Hormone Intelligence Solution for, 195-204



working with, 89-90

20-22







Love Your Gut Menu for, 335 mealtime mindfulness, 198-99 nutrients for, 195-96 outdoor activity, 201 overview of, 202 prebiotics for, 187 probiotics for, 156, 187 regular bowel movements, 199-200 sleep for, 200 supplements for, 127, 202, 203 timeline for, 203-4 microbiome imbalance causes of, 194-95, 201-2, 208, 209, 240 conditions related to, 189-90; acne, 189; anxiety, 187, 189, 190, 192; bladder infections, 189; bloating, 189, 192; breast sensitivity, 189; cancer, 189, 193; cognitive issues, 187, 189; depression, 189, 190, 192; diabetes, 187; endometriosis, 189, 190, 191, 192, 280; fatigue, 187, 189; fertility challenges, 189, 191, 192, 193; gastrointestinal issues, 189, 190, 196; heavy periods, 192-93; insulin resistance, 187, 189, 190, 192, 194; migraines, 192; miscarriage, 189, 190, 192, 193; mood swings, 187, 188, 192; pain sensitivity, 193; PCOS, 190-92; pelvic pain, 189, 191, 193; period pain, 190, 192, 193; PMS, 187, 190, 192; sleep problems, 187, 188, 189, 192, 200; thyroid problems, 189, 193; urinary tract infections, 316 HPA axis activated by, 187 immune system and, 192 leaky gut and, 187, 190 SIBO and, 203 symptoms of, 189, 202 migraines, hormonal Advanced Protocol for, 271-72 causes of, 271 conventional approach to, 272 factors affecting, 271 foods to avoid, 271 herbs for, 272 lifestyle practices for, 271 menstrual vs. nonmenstrual, 75 microbiome and, 192 nutrients for, 249, 272 premenstrual, 15 migraines, menstrual, 75 milk, 104 milk thistle, 237, 270 mindful eating, 198-99 mindfulness practices, 312, 314, 318 cycle sense and, 54-56, 58-59, 156 for fertility challenges, 287, 289-90 for healing, 91-94

Mirena intrauterine system (IUS), 225, 296 miscarriage circadian rhythms and, 164, 166 endocrine-disrupting chemicals factors affecting, 70, 286 foods and, 110, 287-88 healthy pregnancy following, 287 luteal phase dysfunction and, 242 microbiome and, 189, 190, 192, 193 mitochondrial function and, 242-43 nutrients and, 126, 249 oxidative stress and, 242-43 rates of, 70 risk factors, 77, 107, 121, 242 symptoms associated with, 53, 70, 71 mitochondrial function conditions related to (See under oxidative stress) evolution of, 243 hormone function and, 243 insulin resistance and, 242 maternal DNA and, 243 oxidative stress and, 240-43 steroid production and, 241 thyroid function and, 243 mitochondrial function, supporting exercise for, 252 food for, 112, 246-48 nutrients for, 126, 180, 243, 246-48 ovarian function and, 241-43, 246 mittelschmerz, 47 MOH (medication overuse headache), moliminal symptoms, 51 circadian rhythm and, 182 cycle sense about, 54-56, 58-59, 156 food for, 116, 119, 120, 197 food-mood-symptom journal, 134 herbs for, 157-58, 234, 311, 318 mood swings Advanced Protocol for, 317-18 foods and, 317-18 herbs for, 250, 318 hormonal birth control and, 57 lifestyle practices for, 317 microbiome imbalance and, 187, 188, 192 mind-body practices for, 318 perimenopause and, 317 PMS and, 74 sleep and, 318 moon, women's cycles and, 54-55, 159-60, 224 motherwort, 259, 311 multivitamins in Hormone Intelligence Diet, 126, 332

Pill and, 222, 223, 244 for stress response, 156 mushrooms, 157, 235, 276, 311, 314 myofascial release work, 281 myoinositol, 264

NAC (n-acetyl-cysteine) cellular damage repaired by, 237 depletion of, 249 in detoxification process, 232, 233, 235, 237 dietary sources of, 237 functions of, 237, 249 ovarian health and, 249 production of, 236, 237 Nagoski, Emily, 143, 306 nail polish, 229 natural fertility awareness, 61, 224 natural sweeteners, 107 nature circadian rhythms and, 161 spending time in, 154 nausea, prenatal, 126 night shifts. See shift work night sweats, 83, 312, 313, 314, 319 95/5 Rule, 114 nonceliac gluten intolerance (NCGI), 121 NSAIDs (nonsteroidal antiinflammatory drugs), 203, 244 nutritional status, 24, 121, 221, 223, 240 nutritional supplements. See supplements, nutritional nuts fiber in, 122 hormone-healthy fats in, 119 in Hormone Intelligence Diet, 118, 128-29 prebiotics in, 197 recipes, 361–62 stocking in pantry, 330



Nuva Ring, 225

obesogens, 209, 211 OCPs (oral contraceptive pills), 219, 220, 221, 222, 291 omega-3 fatty acids dietary sources of, 116-17, 195, 196 inflammation and, 274 in modern diet, 104 ovarian health and, 247 supplements, 117, 195 omega-6 fatty acids, 104-5, 247 opioids, 79, 193, 283 oral contraceptive pills (OCPs), 219, 220, 221, 222, 291, 296, 298. See also Pill, the







for ovarian health, 248



400 | INDEX

| orgasms |
|--|
| cramps and, 179, 258 |
| frequency of, 306 |
| during luteal phase, 60 |
| multiple, 317 |
| during ovulation, 56 |
| period pain and, 258 |
| during periods, 55 |
| stigma around, 306 |
| orthorexia, 101, 144 |
| osteopenia and osteoporosis |
| foods and, 105, 123 |
| herbs for, 238, 311 |
| hormone imbalance and, 17, 83 |
| HRT for, 319 |
| stress and, 144 |
| ovarian cysts, 126, 145, 250-51 |
| ovarian function, nurturing |
| AMH and, 112, 116 |
| circadian rhythms and, 165 |
| conditions related to, 166, 181, 250 |
| (See also fertility challenges) |
| exercise for, 252 |
| foods and, 109, 112, 120, 246–48 |
| herbs for, 249–50 |
| Hormone Intelligence Solution for, |
| 245–52 |
| melatonin and, 163, 165, 180 |
| menopause and, 83 |
| mitochondrial function and, 241–43, 246 |
| NSAIDs and, 244 |
| nutrients for, 126, 180, 246–48, 249 |
| ovulation as barometer for, 69 |
| oxidative stress and, 241, 243 |
| perimenopause and, 28, 310 |
| Pill and, 221, 223, 244 |
| sleep and, 165 |
| socializing and, 252 |
| supplements for, 251–52 |
| thyroid function and, 144–45 |
| ovarian hyperstimulation, 250–51 |
| ovarian reserve, loss of, 243, 244–45, |
| 248, 291 |
| ovaries, 29, 220-21, 239 |
| overexercising, 144, 153, 252, 274, 286 |
| overweight |
| conditions related to, 107, 294 |
| fat shaming, 77 |
| foods and, 123 |
| inflammation and, 190 |
| medical bias and, 77 |
| microbiome and, 187, 190 |
| ovulation |
| aging and, 83 |
| as barometer of overall health, 47, |
| 66, 69 |
| body fat and, 144, 274 |
| cervix position and firmness |
| during, 64 |

| conditions related to: infertility, 242; insulin resistance, 106; luteal phase dysfunction, 242; PCOS, 77, 106, 166 cycle sense during, 56–58 detecting, 47, 48, 61, 62, 69 factors affecting, 67–68, 203, 244, 277 foods and, 102–3, 109, 116, 120 |
|--|
| herbs supporting, 263, 276 |
| as "high summer" of cycle, 56 |
| Hormone Intelligence Diet and, 133 inflammation and, 102–3 |
| melatonin and, 163 |
| nutrients for, 126-27, 248, 250, 263, |
| 275, 276, 291 |
| overview, 46 |
| pain, 222 |
| as phase in menstrual cycle, 46–47 restrictive diets and, 144 |
| signs associated with, 69 |
| stress and, 141, 144 |
| thyroid and, 144–45 |
| ovulation, skipped. See skipped |
| ovulation |
| ovum, 46, 50, 165, 166. See also egg |
| quality |
| oxidative stress |
| causes of, 240, 249 |
| conditions related to, 166, 240, |
| 241–43 |
| defined, 24 |
| diet and, 246 |
| hormone function and, 241, 242 |
| in inner and outer ecosystems, 24 |
| mechanism of, 240 |
| melatonin and, 31, 163, 166 |
| mitochondrial function and, 240–43 |
| nutritional supplements, 238 |
| ovarian function and, 239, 241, 243 |
| Pill and, 221, 244 |
| testing for, 244–45 |
| oxytocin, 30, 154, 176, 252 |
| |
| _ |

P

pads and tampons, 232, 233, 258
pain, abdominal, 53, 71, 250, 282
pain, breast. See cyclic breast
tenderness
pain, during sex
Advanced Protocol for, 305–7
antioxidants and, 247
causes of, 142, 305
conditions related to, 305; low
estrogen, 298; ovarian cysts, 250;
secondary dysmenorrhea, 71;
vaginal dryness, 49
conventional approach to, 307
HRT for, 319
impact of, 16

long-term solutions, 280, 307 low estrogen and, 298 nutrients for, 247 OhNut for, 280 ovarian cysts and, 250 Pill and, 220 prevalence of, 305 sexual trauma and, 142 stigma around, 305 underdiagnosis of, 305 pain, pelvic Advanced Protocol for, 279 chronic, 16, 279, 280, 281 conditions related to, 67, 121, 250 endometriosis and, 78 food for, 246-47 impact of, 16 inflammation and, 102 microbiome and, 189, 191, 193 nutrients for, 127, 246-47 prevalence of, 16 secondary dysmenorrhea and, 71 sexual trauma and, 142 sleep and, 290 when to seek medical attention, 53 Pap smears, 22 parabens, 215, 228, 229 passionflower, 181, 314 PCBs, 209, 210, 212 PCOS (polycystic ovary syndrome) Advanced Protocol for, 273-78 AMH levels in, 245 attitudes about, 77 causes of, 85, 102 circadian rhythm and, 166-67, 172 conditions related to: binge-eating disorder, 77, 106; heart disease, 16, 77, 274; hormonal acne, 16, 76, 77, 269; insulin resistance, 32, 77, 85, 103, 106; insulin resistance and, 103, 106; irregular periods caused by, 71; metabolic syndrome, 77; sleep apnea, 274, 275 conventional approach to, 277 defined, 75, 76 endocrine-disrupting hormones and, 210 food for, 116, 120, 274-75 foods to avoid, 102, 103, 109, 110, 274 growing public visibility of, 15 herbs for, 276 vs. hypothalamic amenorrhea (HA), 68-69 impact of, 16, 76 inflammation in, 102, 166 intermittent fasting and, 173 lifestyle practices for, 274 microbiome and, 190-92 mind-body practices for, 275 mistreatment of, 77

mitochondrial function and, 242





circadian rhythms and, 164



nutrients for, 125-26, 127, 180, 237, 247-48, 275, 291 ovulation affected by, 66, 69, 106, 166 ovulation and fertility support, 275 oxidative stress and, 166, 242 Pill and, 222, 277 prevalence of, 16, 75-76 self-assessment of, 76 sleep and, 76, 166, 167, 275, 290 stress and, 140, 142-43, 145, 275 symptoms of, 16, 67, 76-77 thyroid function and, 145 underdiagnosis/misdiagnosis of, 16, 18, 76, 77 pelvic floor physical therapy, 281, 307 pelvic inflammatory disease (PID), 70, 298 pelvic pain, chronic (CPP), 16, 279, 280, 281 peppermint oil, 259, 272 perimenopause Advanced Protocol for, 309-19 age of onset, 67 beliefs about, 309, 311 conditions related to (See anxiety; depression; hot flashes; insomnia; mood swings; UTIs; vaginal drvness) defined, 83 duration of, 28 foods and, 310-11 heavy menstrual bleeding and, 69 herbs for, 311 in hormone arc, 28 lifestyle practices for, 310 mind-body practices for, 311 nutrients for, 250 restrictive dieting during, 120-21 signs of, 83, 298 sleep and, 314 stress and, 310 perimenopause, early, 67, 311 Period: End of Sentence (2019), 15 period pain (dysmenorrhea) Advanced Protocol for, 258-62 causes of, 71-72 circadian rhythm and, 165-66 conditions related to, 67; adenomyosis, 71, 257; endometriosis, 71, 78, 257; leaky gut, 185; ovarian cysts, 250; PCOS, 77 conventional approach to, 259 defined, 71 endocrine-disrupting hormones and, food for, 112, 117, 247, 258 foods to avoid, 109, 258 herbs for, 259 impact of, 15-16 lifestyle practices for, 258

medical dismissal of, 18 microbiome and, 190, 192, 193 mind-body practices for, 152-53, 258 vs. normal discomfort, 43, 45-46, 51 nutrients for, 258-59 prevalence of, 15 primary/secondary dysmenorrhea, 71 sex and, 305 sleep and, 165-66 stress and, 140, 141 symptoms of, 71-72 when to seek medical attention, 53 period panties, 233 periods amount of bleeding in, 43, 44-45 cervical mucus discharge and, 48, clots, 45 color of blood in, 45 cycle sense during, 54-55 discomfort during, 43, 45-46, 51 euphemisms for, 44, 54-55 Hormone Intelligence Diet and, 133 hormone levels during, 44 length of, 43, 53, 60, 165 mood shifts and, 43, 54-55 normalizing, 14-15, 44 as phase in menstrual cycle, 44-46 premenstrual symptoms, 51 shame/embarrassment around, 44 skipped (See skipped periods) supporting sleep during, 179 as "winter" of cycle, 54 periods, heavy. See also heavy menstrual bleeding Advanced Protocol for, 262 causes of, 190 circadian rhythm and, 165 conditions related to, 67; estrobolome disruption, 192-93; PCOS, 77; von Willebrand disease, 70 conventional approach for, 262-63 food for, 262 herbs for, 262 impact of, 15-16 lifestyle practices for, 262 microbiome and, 192-93 nutrients for, 127, 262 prevalence of, 15 sleep and, 165 symptoms of, 44-45, 53 thyroid function and, 145 when to seek medical attention for, 53 periods, irregular adaptogens for, 276 circadian rhythms and, 165 conditions related to, 16, 77, 250 defined, 66 factors affecting, 66 hormone imbalance indicated by, 66

post-Pill, 222 stress and, 140, 141, 144, 145 thyroid function and, 145 when to seek medical attention, 53 periods, light, 70 persistent organic pollutants (POPs), 211 personal care products, 208, 213-14, 226, 228-29, 269 pesticides avoiding, for endometriosis, 280 detoxification from, 226, 230, 238 (See also detoxification, from environmental exposures) in feminine hygiene products, 214 health impact of, 209, 216, 217 persistence of, 206, 207 pharmaceutical industry, 20-21, 22 phosphatidyl serine (PS), 156 phthalates conception and, 236 conditions caused by, 209-10, 216 detoxification, 226 sources of, 216, 229-30 as thyroid-disrupting chemicals, 211 phytochemicals, 111, 124, 126, 231-32, 234, 235 phytoestrogens, 118, 123, 188 phytonutrient gap, 111-12, 124 phytonutrients, 111, 126, 246, 299 Pill, the. See also contraceptives, hormonal cellular repair hindered by, 244 detoxification hindered by, 221-22, 233 discontinuing, 222-24, 271 effectiveness of, 218 hormone disruption from, 225 liberation through, 57, 218 mechanism of, 219 multivitamins and, 222, 223, 244 non-contraceptive uses, 219, 222, 251, 262, 263, 270 nutrient depletion from, 221, 223, 244 overprescription of, 2, 8, 13, 21 oxidative stress and, 221, 244 for period pain and menstrual cramps, 259 post-Pill protocol, 223 risks of, 203, 219-22, 223-24 root causes obscured by, 222, 224 skipped doses, 71 supplement interactions, 237-38 pineal gland, 162, 163 pituitary gland, 30, 139 plastics, reducing use of, 226, 228, 280 pleasure, 153, 306, 325 PMDD (premenstrual dysphoric disorder), 20-21, 170, 264-65

nutrients for, 127, 180, 275







402 | INDEX

| PMS (premenstrual syndrome) |
|---|
| Advanced Protocol for, 264-65 |
| causes of, 73, 75, 84-85, 102, |
| 185, 264 |
| circadian rhythm and, 166, 170 |
| conditions related to, 166, 264 |
| conventional approach to, 21, 72, 265 |
| cultural beliefs about, 74 |
| cycle sense for, 59 |
| defined, 72-73 |
| exercise and, 60 |
| factors affecting, 73, 85 |
| food for, 116, 117, 118, 120, 264 |
| foods to avoid, 109, 110, 264 |
| herbs for, 265 |
| impact of, 75 |
| lifestyle practices for, 152–53, 264 |
| microbiome and, 187, 190, 192 |
| mind-body practices for, 60, 264 |
| misconceptions and attitudes about, |
| 58, 72 |
| nutrients for, 125, 126, 127, 180, 236, |
| 250, 264 |
| patient story, 265 |
| prevalence of, 15, 21 |
| self-assessment of, 73 |
| stress and, 141, 142 |
| symptoms of, 15, 67, 72–75, 146, 265, |
| 266, 267 |
| without periods, 75 |
| POI (primary ovarian insufficiency) |
| causes of, 284 |
| conditions related to: early |
| menopause, 311; heart disease, 83; |
| heavy menstrual bleeding, 69; light |
| periods, 70; short menstrual cycle, |
| 67; skipped ovulation, 69; skipped |
| periods, 68, 263 |
| defined, 83 |
| endocrine-disrupting hormones and, |
| 211, 212 |
| food for, 116, 120 |
| health risks associated with, 83, 211 |
| hysterectomy and, 21 |
| mitochondrial function and, 243 |
| nutrients for, 180, 248 |
| ovarian reserve testing for, 244–45 |
| oxidative stress and, 243 plant-based diet and, 112 |
| |
| prevalence of, 244 |
| symptoms of, 62, 67, 83, 298 |
| polycystic ovary syndrome. See PCOS polyphenols, 124, 133 |
| polyunsaturated fatty acids (PUFAs), |
| |
| 104, 119, 194 potassium, 233 |
| power, feminine, 324 |
| power, soft, 151 |
| PPIs (proton pump inhibitors), 203 |
| prebiotics, 187, 196–97 |
| predicties, 10/, 170 -7/ |

| pregnancy |
|--|
| cervical mucus discharge during, 48, |
| 62-63 |
| circadian rhythms and, 164, 165 |
| endocrine-disrupting hormones |
| and, 210 |
| meal times for, 173 |
| microbiome and, 192 |
| nutrients for, 126 |
| overmedicalization of, 21 |
| skipped periods and, 67 |
| spotting during, 71 |
| uterine lining during, 46, 50 |
| when to test for, 53 |
| pregnancy, ectopic, 53, 70 |
| pregnancy problems, 67, 107, 242–43 |
| premenstrual dysphoric disorder |
| (PMDD), 20–21, 170, 264–65 |
| |
| premenstrual phase |
| eating during, 107 |
| microbiome and, 192 |
| sleep disruption during, 162, 179 |
| symptoms during, 51, 192 |
| premenstrual syndrome. See PMS |
| prenatal nausea, 126 |
| prenatal vitamins, 290-91 |
| pre-pollution, 211–12 |
| primary ovarian insufficiency. See POI |
| probiotics |
| choosing, 198 |
| circadian rhythm and, 198 |
| dietary sources of, 197 |
| health benefits of, 197-98 |
| in mental health support, 187 |
| for microbiome restoration, 197 |
| in stress response support, 156 |
| supplements, 197, 198 |
| for vaginal health, 299 |
| procyanidins, 238 |
| progesterone |
| after ovulation, 48 |
| aging and production of, 83 |
| bowel movements and, 50 |
| during breastfeeding, 67 |
| cervical mucus and, 48, 50–51, 62 |
| cervix position/firmness and, 60 |
| |
| circadian rhythms and, 163, 165, 166 |
| delivery of, 249 |
| digestion and, 179 |
| endocrine-disrupting hormones and, |
| 208, 210 |
| in endometriosis, 80 |
| food cravings and, 59 |
| foods and, 112, 116, 247, 248 |
| functions of, 31, 69, 80 |
| herbs affecting, 276, 315 |
| hormonal birth control and, 57 |
| in HRT, 319 |
| low, 34, 38-39, 66, 69, 81, 106 |
| during luteal phase, 50–51, 179 |
| medications and, 203 |
| |

mood and mindset and, 58 nutrients for, 126, 248-49, 250, 251, 263, 291 during ovulation, 47 during period, 44 PMS and, 50, 84-85 during pregnancy, 50 production of, 32, 50, 69, 241, 247, 249 sleep and, 55, 56, 59, 166 socializing and, 154, 252 stress and, 141 progesterone challenge, 263 prolactin, 32, 67, 164, 166 prostaglandins, 50, 51, 55, 71–72, 117, 267 protein, 113, 116-18, 128-29 proton pump inhibitors (PPIs), 203 psychobiotics, 187 psyllium seeds, 122, 200 PTSD, 142 puberty, 28 premature, 17, 107, 108, 209-10, 217 Pueraria mirifica, 311, 315 PUFAs (polyunsaturated fatty acids), 104, 119, 194 pumpkin seeds, 247, 248 pycnogenol, 238, 283, 312



Quick & Easy Menu, 337

R

reactive oxygen species (ROS), 240, 241, 246, 249
receipts, printed, 208, 210, 228
red raspberry leaf, 262
reishi mushroom, 157, 276, 311, 314
relaxation, 152–54, 199
resveratrol, 124, 280
retinoids, topical, 270
rewilding, 88
rhodiola, 157
riiboflavin, 248, 272
ROS (reactive oxygen species), 240, 241, 246, 249
Rotterdam Criteria, 76

S

SAD. See diet, Standard American saffron, 265
St. John's wort (SJW), 237–38, 304, 318 salads (recipes), 339–41 salmon, 117, 119, 212 salt, 264, 267
Sapolsky, Robert, 140 sardines, 117, 119 saturated fats, 119 saying "no"/saying "yes," 151







preeclampsia, 243

perimenopause and, 83



scent insensitivity, 214 scents, 176, 178. See also aromatherapy; fragrances SCN (suprachiasmatic nucleus), 160, 162, 163 sea sponges, 233 seaweeds, 235 "second brain," 186 second opinions, 90 seed cycling, 247 seeds antioxidants in, 247-48 in detoxification, 234 fiber in, 122 hormone-healthy fats in, 119 in Hormone Intelligence Diet, 118, 128 prebiotics in, 197 recipes for, 350-51, 361-62 stocking in pantry, 330 selenium antioxidant properties of, 249 conditions associated with insufficiency, 126, 147, 281 in detoxification process, 232 dietary sources of, 247 functions of, 126 ovarian health supported by, 247, 249 thyroid function and, 147 self-acceptance/self-worth, 323.325 self-advocacy, 90-91, 281 self-care practices, 91-93, 281, 314, 323, 324 self-criticism, 152 self-image, 60, 77, 321 serotonin circadian rhythms and, 162, 163, 180 foods and, 120, 143, 157 in intestines, 186 PMS and, 84-85 in premenstrual phase, 59, 60, 75, 179 sleep and, 180 sesame seeds, 247-48, 275 7-Minute Workout, 252 cycle sense about, 55-58 expectations around, 302, 303 pain during (See pain, during sex) in perimenopause and menopause, during periods, 55, 262 relaxed time for, 305 stigma and beliefs around, 306, 317 stress and, 140-41 vaginal dryness and, 315 vaginal health and, 299 sex drive. See libido sex-hormone-binding globulin (SHBG), 76, 106, 123, 201, 231, 275 sex hormones. See also androgens; estrogen; progesterone; testosterone

endocrine-disrupting hormones and, 208 feedback loops for, 29 foods and, 123, 247 functions of, 30-31 libido and, 301 mitochondrial function and, 241 oxidative stress and, 241 stress and, 140 thyroid function and, 145 Sex-Specific Medical Research (Johnson, et al.), 18 sexual abuse, 15 sexual arousal, 49 sexual assault, 142 sexual dysfunction, female, 20-21, 22 sexual excitation system, 143 sexual harassment, 142. sexual health, 301-4, 305 sexual inhibition system, 143 sexually transmitted infections (STIs), 71 sexual violence, 142 shatavari, 157-58, 291, 304, 311 shift ork, 164, 166, 168, 178 short menstrual cycles, 66-67, 71 showers, cold, 274 Silent Spring (Carson), 205 single nucleotide polymorphisms (SNPs), 227, 248 SJW (St. John's wort), 237-38, 304, 318 skin health, 114, 243, 246, 269 skipped ovulation. See also anovulation Advanced Protocol for, 263 causes of, 69 conventional approach to, 263 defined, 69 food for, 263 herbs for, 263 lifestyle practices for, 263 mind-body practices for, 263 nutrients for, 263 symptoms of, 69 skipped periods (amenorrhea) Advanced Protocol for, 263 causes of, 68-69, 83, 222, 263 conditions related to: celiac disease. 68, 121; hypothalamic amenorrhea, 68; PCOS, 77; POI, 68-69; skipped ovulation, 263 conventional approach to, 263 defined, 67 endocrine-disrupting hormones and, 209 factors affecting, 67-68 food for, 263 herbs for, 263 lifestyle practices for, 263 mind-body practices for, 263 vs. normal irregularity, 263 nutrients for, 263

stress and, 141, 144, 145 thyroid function and, 145 sleep, improving aromatherapy for, 313 circadian rhythms and, 168, 174-79 cycle sense for, 55, 56, 59, 166 foods and, 110, 112, 121 herbs for, 157, 180-81, 311, 314 lifestyle practices for, 314 probiotics for, 198, 314 sleep banking, 178-79 sleep apnea, 76-77, 166, 167, 274, 275 sleep banking, 178-79 sleep problems. See also circadian rhythm, disruption of Advanced Protocol for, 314 circadian rhythm and, 162, 165, 166 conventional approach to, 179-80 cravings and, 171 cultural trends and, 162 detoxification hindered by, 235-36 hormone function and, 17, 20, 31, 55 HRT for, 319 impact of, 166 insomnia, 314 microbiome and, 187, 188, 189, 192, 200 mind-body practices for, 314 nutrients for, 127, 180, 236 pain and, 165-66, 290 with PCOS, 77 perimenopause and, 83 prevalence of, 162 regular sleep cycle for, 168 requirements, 160, 168 sexual trauma/harassment and, 142 sleep apnea, 76-77, 166, 167, 274, 275 stress and, 140, 141-42, 154, 165 on weekends, 178 in women, 162 small intestinal bacterial overgrowth (SIBO), 203 smoking, 264, 269, 286 smoothies (recipes), 363-64 snacking, 113, 132, 155, 172, 173, 333 SNPs (single nucleotide polymorphisms), 227, 248 social jet lag, 178 soft rinks, 108, 288-89 soft ower, 151 soy, 123, 124 spearmint tea, 276 spinnbarkeit, 47 spotting, 71 SSRIs, 72, 73, 265, 266, 304 starches, resistant, 197 steroids, 241, 298 stress chronic, 31, 140, 141, 143, 144, 147 comfort foods and, 143









| stress (continued) |
|---|
| conditions related to, 144, 269; |
| depression, 138; endometriosis, |
| 140, 142, 201, fautility alcallar and |
| 140, 143, 281; fertility challenges, |
| 140, 143, 144, 289; gastrointestinal |
| problems, 140, 186, 194; |
| hypothalamic amenorrhea, 141, |
| 143, 144, 289; irregular periods, |
| 140, 141, 144; low libido, 143, 301, |
| 302; PCOS, 140, 142-43, 275; period |
| pain, 140, 141; PMS, 142; skipped |
| periods, 141, 144; sleep problems, |
| 140, 165 |
| defined, 138 |
| food and, 143–44 |
| |
| healthy levels of, 140 |
| Hormone Intelligence Solution for, |
| 168-82 |
| identifying, 150 |
| microbiome and, 186, 187, 190, |
| 194, 200 |
| pain perception and, 140, 141-42, |
| 143 |
| perimenopause and, 310 |
| physical impact of, 141 |
| resilience to, 139, 181, 182 |
| self-assessment of, 146 |
| sleep and, 141–42 |
| symptoms of, 146 |
| thyroid function and, 144–47 |
| |
| toxic, 236 |
| trauma and, 142 |
| women affected by, 137–38, 139 |
| stress-hormone pathway, healing |
| attention to inner landscape, |
| 148–50 |
| cycle sense for, 155–56 |
| decompression practice, 152 |
| exercise and, 153 |
| food for, 197, 247 |
| herbs for, 156-58, 181, 276, 311, 314 |
| manage blood sugar, 154-55 |
| managing energy, 150–52 |
| nutrients for, 156 |
| probiotics for, 197, 198 |
| relaxation practices for, 149, 152–54 |
| setting priorities, 150–51 |
| yoga for, 258 |
| |
| stress response |
| defined, 138–39 |
| healthy, 139–40 |
| hormone production and, 31, |
| 68, 139 |
| stress resolution, 139 |
| triggers, 140, 144, 208, 209 |
| subfertility, 80, 287. See also fertility |
| challenges |
| sugars, 105-7, 108, 113, 144, 299 |
| sulforaphanes, 232, 236 |
| sulfur, 232, 233 |
| sunflower seeds, 247, 248 |
| suntan lotion, 230 |

| supplements, nutritional. See also |
|---------------------------------------|
| specifi supplements |
| benefits of, 125 |
| "daily dose," 125–27, 131 |
| for gut health, 202, 203 |
| |
| ingredients, 126 |
| medication interactions, 237–38 |
| multivitamins (See multivitamins) |
| post-Pill, 223 |
| reference guide, 372-81 |
| supporting sleep with, 179-81 |
| support groups/networks |
| for endometriosis, 281 |
| finding, 325 |
| for mood changes, 318 |
| for pain during sex, 307 |
| for PCOS, 275 |
| for trauma recovery, 324 |
| suprachiasmatic nucleus (SCN), 160, |
| 162, 163 |
| 102, 103 |
| _ |
| |
| T2 ('' 1 d |
| T3 (triiodothyronine), 146, 193, 211, |
| 220, 243, 274 |
| T4 (thyroxine), 146, 193, 211, 220 |
| tahini, 248 |
| tampons and pads, 232, 233, 258 |
| tantric breathing, 303 |
| TBG (thyroid-binding globulin), 145 |
| TDCs (thyroid-disrupting chemicals), |
| 208, 211 |
| tea tree oil, 270 |
| testosterone |
| body fat and, 274 |
| circadian rhythms and, 164 |
| endocrine-disrupting hormones and |
| 208, 210 |
| during follicular phase, 46 |
| foods and, 120, 123, 274, 275 |
| herbs for reducing, 276 |
| high, 35, 39, 76, 85, 106 |
| insulin resistance and, 106 |
| libido and, 56, 301 |
| long-term use of, 307 |
| |
| low, 35, 39 |
| during luteal phase, 50 |
| mood/mindset and, 55, 58 |
| nutrients and, 275, 276 |
| stress and, 142, 166 |
| thermogenesis, 171 |
| thiamine. See vitamin B1 |
| thyroglobulin, 211 |
| thyroid-binding globulin (TBG), 145 |
| thyroid-disrupting chemicals (TDCs), |
| 208, 211 |
| thyroid gland, 29, 144-47, 211 |
| thyroid hormones |
| endocrine-disrupting hormones and |
| 211, 213 |
| |
| functions of, 31 |

low, 36-37, 145, 220 production of, 31 thyroid problems circadian rhythms and, 165 conditions related to, 145; heavy menstrual bleeding, 69; PCOS, 77, 274; skipped periods, 68, 263 endocrine disruptors and, 217, 218 foods and, 118, 120, 288 herbs for, 147 hyperthyroidism, 145 low thyroid, 36-37, 40, 145, 220 (See also Hashimoto's thyroiditis; hypothyroidism) medication for, 147 microbiome and, 193 mitochondrial function and, 242, 246 nutrients for, 126, 127, 147 oxidative stress and, 242 related conditions: PCOS, 77, 274; skipped periods, 68, 263 self-assessment of, 146 testing for, 146-47 treatment of, 147 thyroid-stimulating hormone (TSH), 164 time-restricted eating (TRE), 173 trans fats, 103, 287 trauma birth, 307 healing, 324 microbiome disrupted by, 194 sexual, 142, 307, 324 sexual health affected by, 302, 303, 307 sources of, 324 stress from, 142 trichomoniasis, 49 TSH (thyroid-stimulating hormone), 164 turmeric, 158, 234, 237



ultradian breaks, 170 ultra-processed foods, 101, 194 underweight, 103, 144, 286 urinary incontinence, 316 urinary problems, perimenopausal, 315 urinary tract infections (UTIs), 197, 315, 316, 319 uterine fibroids (uterine leiomyomas) Advanced Protocol for, 293-96 age of onset, 82 causes of, 82 conditions related to, 69, 71, 83, 211 conventional approach to, 295-96 defined, 82 endocrine-disrupting hormones and, 210-11 foods and, 104, 112, 294-95 herbs for, 295







inflammation and, 102 lifestyle practices for, 294 microbiome and, 294 mind-body practices for, 295 nutrients for, 125, 127, 236, 237, 295 patient story, 294 prevalence of, 82 self-assessment of, 82 stress and, 295 symptoms of, 67, 71, 82 treatment of, 82 as vital sign, 82-83 uterine lining endocrine-disrupting hormones and, 209 miscarriage and, 242 PCOS buildup of, 77 pelvic heaviness and, 51 pregnancy and, 46, 50 UTIs (urinary tract infections), 197, 315, 316, 319 Uva ursi, 316



vagina, 15, 232-33 vaginal bleeding, non-period, 71. See *also* bleeding between periods vaginal discharge, 48-49, 53, 298. See also cervical mucus vaginal dryness Advanced Protocol for, 315 cycle sense for, 60 food for, 315 herbs for, 315 HRT for, 319 infection and, 49 lifestyle practices for, 315 low estrogen and, 298, 301 lubricant products for, 305 perimenopause and, 83 Pill and, 220 vaginal dysbiosis, 190-91, 192, 298 vaginal health Advanced Protocol for, 298-300 conditions related to, 298 conventional approach to, 299 foods and, 299 herbs for, 299, 300 lifestyle practices for, 298-99 nutrients for, 299 vaginal infections. See also bacterial vaginosis conditions related to, 280 conventional approach to, 299 low estrogen and, 298 microbiome and, 190, 197 probiotics and, 197 vaginal lubrication, 49, 299, 305, 315 vaginal pain, 220 Vaginal Relief Suppository, 200, 299 vaginismus, 142

vaginitis, chronic, 142 vagus nerve, 186, 193 valerian root, 312-13, 314 VAT (visceral adipose tissue), 144 vegan diet, 258, 280, 338 vegetables canned/frozen, 330 cysteine in, 237 "energy," 122, 130 fermented, 262 greens, 232-33 hormonal acne and, 269 in Hormone Intelligence Diet, 111-12, 114, 122-24, 129-30 leafy greens, 122-23, 124, 129, 234-35, 262 organic, 226 for perimenopause, 311 phytoestrogens in, 188 prebiotics in, 197 preparing, 330 rainbow, 124, 129 recipes, 345-48 visceral adipose tissue (VAT), 144 vitamin A, 195 vitamin B1 (thiamine), 259 vitamin B2 (riboflavin), 272 vitamin B6, 126, 180, 233, 236, 249, 263 vitamin B12, 126, 180, 236, 295 vitamin C 126, 156, 236, 242, 246-47, 248-49, 263, 281 vitamin D, 125, 126, 221, 223, 274, 275, 332 vitamin D3, 127, 147 vitamin E, 126, 242, 244, 246-47, 281 vitamins, B-complex, 232 vitex, 249-50, 276 von Willebrand disease, 70 vulva, ix, 16, 315 vulvovaginitis, 298



walking, 252

water, 212-13, 228 water retention, 267 weight attitudes and beliefs about, 77, 107, 108 hormone imbalance and, 8, 17 insulin resistance and, 106 PCOS and, 77, 106 self-image and, 60 stress and, 140 weight gain circadian rhythms and, 164, 166 endocrine-disrupting hormones and, hormonal birth control and, 57 microbiome and, 187, 188 Pill and, 219

weight loss exercise and, 174 food for, 112, 118, 119, 121, 197 health improvements with, 107-8 inflammation hindering, 102 insulin and difficulty with, 77 nutrients for, 234, 275 probiotics for, 198 stress and, 144 weight maintenance circadian rhythm and, 171 for fertility challenges, 286 food for, 123, 133 herbs and spices for, 196 meal sizes for, 171 microbiome and, 193-94 probiotics for, 198 white adipose tissue (WAT), 274 white peony, 276 whole grains, 119-22, 197, 249 wine, red, 108-9 wisdom, women's, 321-22 Women's Hormone Panel, 32 workplaces and work schedules circadian rhythms and, 175 eating at work, 178 exercise and, 153 financial parity in, 15 gender issues in, 57, 151, 165 Hormone Intelligence Diet and, 135 sexual abuse in, 15 shift ork, 164 stress in, 150



xenoestrogens, 208, 209 xylitol, 107



yarrow tea, 262 yeast infections, 49, 189, 298 yoga benefits of, 152-53 circadian rhythm and, 176, 179 cycle sense for, 179 lunar flow, 261, 281 poses, 260



zinc conditions associated with insufficiency, 126, 147, 281, 291 in detoxification process, 232 dietary sources of, 196, 247, 248 functions of, 126, 127, 247, 291 for microbiome restoration, 196 ovarian health and, 247, 248 in stress response support, 156 thyroid function and, 147







sleep problems and, 166