

Keyword Index

- Accidents in sleep disordered patients P146
- Acetylcholine in sleep regulation of drosophila 158
- Acetylcholinesterase imaging of brainstem nuclei in sleep disturbance P439
- Actigraphy
actigraphy/heart rate variability monitor P302
insomnia diagnosis P330
overestimation of PLM P316
sleep estimates, improved P306
- Activity-rest rhythm
and c-fos expression after tryptophan intake P338
effects of adenosine agonists P219
serotonergic modulation of P217
- Additive model of subjective judgements of sleepiness P190
- Adenosine system
A1 receptor antagonist and sleep recovery P531
A1 receptor occupancy and sleep deprivation 116
age-related changes in sleep-wake regulation P533
effects of agonists on activity-rest and serotonin synthesis P219
sleep-deprivation induced changes in psychomotor performance P535
sleep EEG variability 46
valerian as adenosine receptor agonist P212
zebrafish model 153
- Adenotonsillectomy
and childhood SDB P52
cognitive performance/behaviour P158
- ADHD *see* attention-deficit/hyperactivity disorder (ADHD)
- Adolescents
aggression/anger/impulsivity in P171
circadian preferences P168
with headache, sleep disorders in P162
longitudinal changes in sleep habits P47
questionnaire on circadian preferences P307
school performance and sleep quality P58
school shifts and napping/sleep extension 109
sleep and wakefulness P44
with sleep disorders, anxiety/behavioural disturbances in P157
sleep EEG for diagnosing seizure P452
sleep habits P47, P168, P 410, P419
sleep in marijuana users during abstinence P286
- Sleep patterns
and shift schooling P165
in Swiss students P82
in USA 93
- sleep schedules/debt P156
sleep/sleepiness in French 92
see also children
- Affective preference, influence of sleep on 73
- Age/ageing
adenosine system in sleep regulation P533
cardiovascular consequences of arousal P521
changes to activity-rest rhythm P338
changes to sleep regulation after multiple naps P241
circadian rhythm of urine output P337
EEG changes during sleep deprivation 133
and EEG power spectra P524
effects of noise and shiftwork on fatigue P188
polysomnographic findings in 'good' sleepers P508
postnatal, and initial ventilatory response to hypoxia P154
reduction in daytime sleep propensity P341
and shiftwork experience in nurses P147
training for successful aging P273
and vigilance testing affected by skin warming P278
and women in psychomotor vigilance task P227
- Aggression and sleep problems P171
- Alarm clock triggered by sleep phase P314
- Alcohol-ascribed driving accidents and sleepiness P205
- Alertness deterioration during extended work schedule P86
- Alpha-fluoromethylhistidine inhibiting orexin-induced wakefulness P214
- Altitude and sleep quality P193, P194
- Alzheimer's disease
acetylcholinesterase imaging of brainstem nuclei P439
circadian rhythms of rest-activity cycles P91
sleep-memory relationship P477
- Ambulatory sleep-wake evaluation in blind subjects P345
- Amygdala
function altered by sleep restriction P235
metabolic changes in narcolepsy P32
- Anger and sleep problems P171
- Anxiety
early morning awakenings P290
time series/fractal analyses of sleep spindles P284
in young people with sleep disorders P157
see also generalized anxiety disorder
- Aortic stiffness in OSAS P127
- aPAP therapy, compliance P 393
- Apnea duration index (ADI) P243
- Apnea-hypopnea
affecting cardiac modulation/delta EEG link P115
agreement of visual/automatic detection-based indexes P244
duration index (AHDI) P243
- Apparent life threatening event (ALTE) in infant P153
- Apparent sleep deficit 110
- Arousal disorders and epilepsy 48, 49
- Arousal, emotional, and sleep quality P179
- Arousal events and NREM sleep dynamics 119
- Arousal from sleep
and adult somnambulism P424
autonomic correlates 69
bladder voiding in infants 89
cardiovascular consequences 25, P521
painful stimuli 117
paroxysmal *vs* confusional 71
thresholds in older people P520
- Arousal threshold in zebrafish P106
- Arterial hypertension
auto-CPAP in P384
phasic increases during REM sleep P471
- Arterial tone, peripheral, during sleep 27
- Asperger's syndrome P287
- Associative motor plasticity in RLS P74
- Assymetric sleep in rats P110
- Asthma and OSA P10
- Atherosclerosis risk factors in sleep apnea P119
- Athletes' sleep patterns P200
- Atorvastatin P376
- Atrial fibrillation, CAP in P117
- Attachment and REM sleep
high frequency EEG activity P279
percentage/dream recall P280
- Attention
and NREM sleep EEG in schizophrenia P288
sleep deprivation in women P528
and sleep organization P283
sustained vigilant, impaired in narcolepsy/cataplexy P33
'virtual' assessment P301
- Attention-deficit/hyperactivity disorder (ADHD)
effects of melatonin 94
leg movement periodicity P160
and NREM sleep P167
periodic limb movement during sleep P160
and sleep instability 95
spectral analysis of REM sleep P164
- Attention, selective, and sleep loss/extension 128

- Attentional bias in primary insomnia 82
 Attentional processes modulated by total sleep deprivation 132
 Auditory startle mechanism disinhibition in restless legs syndrome 146
 Augmentation in restless legs syndrome treatment 60–3
 dopaminergic P327
 guidelines 62
 severity assessment 63
 Augmentation severity rating scale, validation of 151
 Automatic detection-based apnea indexes P244
 Autism, high-functioning
 sleep organization P283
 wake-REM sleep EEG coherence P285
 Autistic spectrum disorder children, sleeplessness in P45
 Auto-CPAP
 improved compliance with P386
 in OSA and arterial hypertension P384
 titration procedures P 390
 Automated lights out/rise time recording P306
 Automatic analysis system of memory sources of dreams P296
 Automatic scoring of periodic limb movement P67
 Automatic sleep classification P295, P298
 Autonomic correlates of arousal 69
 Autonomic function and insomnia P275
 Autonomic signals of sleepiness, analysis of 32
 Autonomic tone during sleep 24–7
 Autoset-CS treatment P 394
 Awakening quality
 awakening stage, effects of P195
 and sleep phase before awakening P314
aXbo alarm clock P314
 Ayahuasca, daytime administration of P369
- Baclofen P444
 Basal forebrain
 cholinergic cells
 activity across sleep-waking cycle 38
 in recovery sleep induction 36
 sleep deprivation-induced activity 39
 cholinergic neurons and sleep control P109
 GABA-ergic cells 38
 neuron inhibition during sleep deprivation P240
 in wakefulness/REM sleep 37
 Bath temperatures and sleep EEG spectra 118
 Bedpartners
 and sleep-wake cycles P540
see also couples
 Behaviour and adenotonsillectomy P158
 Behaviour changes in rats exposed to social defeats P178
- Behaviour therapy
 brief P274
see also cognitive-behavioural therapy (CBT)
 Behavioural disturbances in young people with sleep disorders P157
 Behavioural effects induced by CaResS device P303
 Behavioural intervention for sleeplessness P45
 Behavioural states and communication in newborns P43
 Bilateral paramedian thalamic/upper brain stem stroke P136
 Biochemical change detection during sleep P497
 Biological rhythms P80–94
 BiPAP therapy of sleep-related respiratory disorders P 395
 Bipolar disorder
 disrupted circadian sleep variations in P344
 sleep variables as predictors P173
 Bladder voiding and arousal in infants 89
 Blind subjects, ambulatory sleep-wake evaluation in P345
 Blink modifications, quantitative analysis of, in sleepiness P207
 Blood pressure
 measurement, overnight P55
 periodic leg movements 147
 in sleeping infants P155
 surges, transient, in REM sleep P116
see also hypertension
 Blue light exposure, non-image forming responses with 124
 Body mass index (BMI)
 effects on metabolic measures P493
 and respiratory disturbance P2
 Body movements during sleep in very old subjects P421
 Body temperature
 core *see* core body temperature
 surface *see* skin temperature
 Brain
 activity due to memory retrieval P481
 arousal, spontaneous yawning and P107
 development in neonates P159
 processes supplying energy for REM sleep occurrence P498
 temperature and EEG 40
 Brain-gut peptides in sleep regulation P490
 Brain injury, traumatic P449
 Brain/peripheral duality in sleeping sickness P495
 Brain region activity during NREM sleep 115
 Brain small vessel disease risk factors P128
 Brainstem nuclei, acetylcholine-esterase imaging P439
 Breath on-line analysis during sleep P497
 Breathing disorders, sleep related (SBD) *see* sleep disordered breathing (SDB)
- Breathing pattern changes after stroke P136
 Brief behaviour therapy for sleep-health improvement P274
 Bruxism and degree of OSAS P5
 Burnout and insomnia in primary care physicians P148
 Burnout patients, sleep continuity in 104
- c-fos expression P338
 Cabergoline P327
Caenorhabditis elegans sleep model 152
 Caffeine
 coffee improving night-time driving P203
 dopaminergic role in arousing effects P215
 and driving performance perception P204
 placebo effect P375
 Cancer patients, insomnia in P264
 CAP *see* cyclic alternating pattern (CAP)
 Capsaicin and human sleep P527
 Carbamazepine P163
 Carbon dioxide tension, transcutaneous, and SDB P245
 Cardiac autonomic activity and sleep delta power P115
 Cardiac control
 during sleep in hypertension 142
 mathematic modeling 143
 Cardiac function in OSAS P121
 Cardiac surgical outcomes 103
 Cardiorespiratory coupling reducing sympathetic excitation in OSA P118
 Cardiovascular activity
 arousal from sleep 25
 circadian *vs* sleep influences 24
 Cardiovascular changes, sleep-dependent, in rat hypertension model P463
 Cardiovascular consequences of arousal P521
 Cardiovascular morbidity and ICAM-1 in OSA P130
 Cardiovascular risk factors
 aortic stiffness in OSAS P127
 sleep apnea P124
 and smoking P125
 sleep loss 107
 Cardiovascular status and OSAS in neurological patients P455
 CaResS device for sleep deprivation studies P302
 Caring, effect of, on women's sleep P186
 Carotid atherosclerosis 2
 Carotid occlusion and paradoxical sleep P436
 Cataplexy
 effect of intravenous immunoglobulins on P24
 patient cataplexy-training P30
 three phases of cataplectic attack P40
see also narcolepsy-cataplexy
 CBT *see* cognitive-behavioural therapy (CBT)
 Cerebral asymmetry in memory consolidation 73

- cerebral blood flow
 childhood SDB before/after adenotonsillectomy P52
 regional, and radio-frequency EM fields 52
 Cheyne–Stokes respiration and CAP in atrial fibrillation P117
 causing idiopathic central sleep apnea P17
 and children with congestive heart failure P122
 Chiari malformations and sleep P437
 Childhood onset myotonic dystrophy type I P56
 Children
 cognitive performance/behaviour and adenotonsillectomy P158
 with congestive heart failure P122
 developmental milestones and sleep trajectories P47
 dyssomnias/parasomnias P54
 effects of melatonin on ADHD/insomnia 94
 epileptic, and sleep behaviour disorders P163
 family conflict as predictor of insomnia P255
 with headache, sleep disorders in P162
 with neurological symptoms, sleep disorders in P161
 occult sleep disturbances and learning failure P42
 preadolescent, sleep habits/circadian preferences P168
 REM sleep behaviour disorder and narcolepsy 91
 sleep disordered breathing 90
 before/after adenotonsillectomy P52
 blood pressure measurement, overnight P55
 with sleep disorders, anxiety/behavioural disturbances in P157
 sleep EEG for diagnosing seizure P452
 sleep quality
 evaluation P49
 in pediatric intensive care P59
see also adolescents; infants
 China, daytime sleep in 6
 Cholecystokinin (CCK)-A receptor and sleep homeostasis P538
 Cholinergic neurons
 in basal forebrain
 activity across sleep-waking cycle 38
 in recovery sleep induction 36
 sleep deprivation-induced activity 39
 and homeostatic sleep control P109
 interleukin-1 inhibiting P489
 Chronic heart failure, depressive symptoms in P457
 Chronic intrinsic insomnia P261
 Chronic partial sleep deprivation and serotonin signaling 129
 Chronic sleep onset insomnia and melatonin 94
 Chronic sleep reduction and school performance P166
 Chronotypes and daytime concentration P88
 Circadian fluctuations of EEG spectral power in sleep deprivation P138
 Circadian pacemakers
 in delayed sleep phase disorder 10
 entrainment with moderate intensity room light 125
 Circadian preference
 adolescents P168
 questionnaire, new P307
 preadolescents P168
 Circadian rhythm sleep disorders (CRSD), hospital treatment of P347
 Circadian rhythms
 adaptation in shiftworkers P84
 in Alzheimer's patients on neuroleptics P91
 attenuated 120
 chronotypes and daytime concentration P88
 disrupted, in bipolar disorder P344
 epileptic seizures P81
 light exposure patterns in older people P80
 melatonin and cellular Per2 oscillations 122
 after minimal invasive surgery P85
 in sleep inertia on awakening 127
 urine output, age-related differences P337
 Circadian sleep regulation, individual differences in shiftworkers 44
 Circadian *vs* sleep influences on cardiovascular activity 24
 Citalopram P256
 Clinical characteristics of mild *vs* moderate OSA P9
 Clock gene polymorphisms
 in delayed sleep phase disorder 9
 predicting sleep structure and EEG power spectra 121
 Clonazepam P432
 Coffee
 improving night-time driving P203
see also caffeine
 Cognition
 improvement with melatonin/light therapy P335
 and progesterone in postmenopausal women P366
 in sleep as nightmare therapy 84
 Cognitive-behavioural therapy (CBT)
 for insomnia 85
 self-paid, voluntary CBT offered via internet P416
 for insomnia in cancer patients P264
 psychophysiological insomnia P276
vs hypnotics in elderly patients P270
 Cognitive impairment
 in RBD patients P422
 and sleepiness/sleep disturbance in elderly P192
 Cognitive performance
 and adenotonsillectomy P158
 auto-CPAP *vs* fixed pressure P 387
 effects of cumulative sleep restriction P530
 effects of pulsed electromagnetic fields P305
 and intermittent hypoxia 96
 pharmacological strategies for, during military operations P372
 in RBD 66
 during sleep inertia P225
 Cognitive procedural task learning and REM sleep P362
 Cognitive processes during sleep onset P504
 Cognitive workload 'virtual' assessment P301
 Combination therapy for insomnia 85
 Communication and smiles in newborns P43
 Compensatory recruitment with sleep deprivation 131
 Complex sleep apnea syndrome (Comp SAS) P4
 Compliance, improved, with auto-CPAP P386
 COMT genotype and narcolepsy response to modafinil P35
 Concentration and chronotypes P88
 Confusional *vs* paroxysmal arousals 71
 Congestive heart failure P122
 Continuous positive airway pressure (CPAP) auto-CPAP
 in severe OSA and arterial hypertension P384
vs fixed pressure P 387
 effects on slow wave sleep P 391
 endothelial function in OSA 1, 99
 humidified *vs* dry P385
 increased adherence P 389
 influence of upper airway obstruction P380
 nasal P 396
 physical intimacy and P383
 for residual excessive sleepiness in OSA 97
 sexual activity and P382
 sleep-related sweating, reduction in P 392
 titration procedures P 390
 withdrawal P 388
see also auto-CPAP
 Continuous probabilistic approach to sleep/daytime sleepiness modelling P299
 Copper, serum, in OSA P11
 Core body temperature
 capsaicin and human sleep P527
 circadian rhythms after minimal invasive surgery P85
 Corokind study P139, P140
 Coronary artery disease in OSA, detection of P252
 Coronary blood flow regulation 4
 Corporate health care programs 105
 Cortical activities
 at onset of rapid eye movements P522
 in paradoxical sleep P513
 reactivation during sleep spindles 77
 synchrony during sleep 155

- Cortico-visceral interaction during sleep P297
- Corticotropin-releasing hormone (CRH) 134
receptor type 1 knockout mice P499
site-specific overexpression P101
- Cortisol
concentrations according to sleep-wake stages in FIDA children P462
secretion in depression/SDB P8
- Couples
analysis of stability/variation in dyadic actigraphic data P152
sleep timing and diurnal preference in P83
see also bedpartners
- Covert REM sleep hypothesis 76
- CPAP *see* continuous positive airway pressure (CPAP)
- CRH *see* corticotropin-releasing hormone (CRH)
- Cyclic alternating pattern (CAP)
and Cheyne–Stokes respiration in atrial fibrillation P117
narcolepsy, microstructural sleep alteration in P27
as pacemaker of periodic leg movement 70 and sleep quality P506
- Danio rerio* sleep model
arousal threshold/rest homeostasis P106
pharmacology and adenosine system 153
- Dark-pulse triggering of REM sleep P111
- Daytime and sleep behaviours in infants P51
- Daytime complaints and insomnia P151
- Daytime distribution patterns of temporal lobe seizure P348
- Daytime functioning in insomnia P267
- Daytime sleep
age-related reduction P341
cultural aspects 5–8
in older people P185
politics of, in China 6
and slow wave sleep deprivation P536
see also siesta culture
- Daytime sleepiness *see* sleepiness, daytime
- ‘Deep sleep’ in sporadic Creutzfeldt–Jakob disease 67
- Delayed sleep phase syndrome/disorder (DSPS/D) 9–12
as entrainment disorder 10
genetic aspects 9
light therapy trials P94
melatonin treatment P339
period or phase disorder 11, 12
- Dementia
different types, polysomnography of P456
melatonin plus light therapy in P441
pet therapy program for elderly women P466
prolonged periods of sleep in nursing home patients P441
- rest-activity cycles in Alzheimer’s disease P440
slow wave sleep in P442
- Dementia with Lewy bodies P451
- Demographic determinants of sleep quality P149
- Depression
and chronic heart failure P457
early morning awakenings P290
EEG characteristics P183
in elderly people P140
associated with frequent napping P185
interpersonal psychotherapy outcome P180
light therapy in Parkinson’s disease P443
long-range temporal correlations in remission P289
REM vs NREM sleep deprivation P293
and RLS P75
vagus nerve stimulation for P66
sex differences in sleep regulation P176
sleep-dependent learning P282
spontaneous sleep and mood during sleep deprivation therapy P281
stress-related sleep disturbance P174
- Depression-like behaviour and serotonin 159
- Detrended fluctuation analysis of EEG P183
- Developmental milestones and sleep trajectories P46
- Diabetes type I and memory consolidation P355
- Diagnoses, final, and presenting symptoms P 408
- Diagnosing sleep disorders in corporate health care 105
- Diagnostic management of hypersomnia P31
- Diagnostic telephone interview for restless legs syndrome P323
- Diazepam, hypnotic effect of, and DMCM-induced convulsions P221
- Differential protein expression after sleep deprivation P501
- Disability benefit, assessment of narcolepsy for P23
- Diurnal fluctuations of histamine/glutathione in CSF P503
- Diurnal preference in couples P83
- DMCM-induced convulsions and hypnotic effect of diazepam P221
- Dolphins sleeping with continuous activity P108
- Dopaminergic role in arousing effects of caffeine/methamphetamine P215
- Dopaminergic therapy, augmentation in, P327
- Dream content investigation in schizophrenia P181
- Dream pictures and neuroholgraphy P350
- Dream recall frequency and attachment P280
- Dreams, memory sources of, automatic analysis system P296
- Driving
drowsiness, multimodal simulator assessment P315
night-time, coffee.napping improving P203
performance perception during extended wakefulness P202, P204
simulator performance by head-neck trauma patients P474
sleepiness and alcohol-ascribed accidents P205
- Drosophila*, acetylcholine in sleep regulation of 158
- Dyadic actigraphic data, analysis of stability/variation in P152
- Dyssomnias in early childhood P54
- E-6199 and sleep-wake rhythm P223
- Early morning awakenings (EMA) and depression/anxiety P290
- Economic aspects of SBD in neurological disorders 13
- Economic growth and daytime sleep 6
- EEG *see* electroencephalograms (EEG)
- Effort and effects of sleep restriction P236
- Elderly people *see* older people
- Electrocardiograph (ECG), exercise, value of P252
- Electroencephalograms (EEG)
age-related changes during sleep deprivation 133
analysis to detect sleepiness 32
brain region activity during NREM sleep 115
coherence function of P159
delta band upper limit, Granger analysis of P511
delta power
and cardiac autonomic activity P115
and sleep/wake activity P93
in depression P183
effects of pilocarpine in waking/sleeping P218
epilepsy and arousal/sleep disorders 49
graphoelements, scoring of P509
mapping sleep deprivation effects 130
neonatal brain development P159
neural correlates of sleep spindles 114
NREM sleep
and attention in schizophrenia P288
and brain temperature 40
oscillations during sleep
baseline/recovery sleep 112
genetics of 47
and periodic/non-periodic leg movement 148
power spectra
ageing effects P524
increased by tryptophan P220
and radio-frequency EM fields 52
REM-like features in wake–sleep transition 76

- REM sleep high frequency EEG activity, and adult attachment styles P279
- sleep EEG
for diagnosing seizure P452
in premenstrual dysphoric disorder P464
and pulsed electromagnetic fields P305
- sleep EEG fingerprint, heritability of P512
- sleep EEG microstructure and heart rate in SDB P251
- sleep EEG power spectra
and bath temperatures 118
and clock gene polymorphisms 121
and heart rate variability P18
thermophysiological influences on 43
in vasospastic syndrome P470
- sleepy EEG and talk mode EM fields P310
- spectral analysis of REM sleep in ADHD boys P164
- spectral power
in OSA patients during sleep deprivation P138
during sleep inertia P225
- spectral profiles
of gaboxadol vs zolpidem P374
heritability of P209
- theta power P481, P482
- trait-like individual differences 46
- waking EEG
effects of electromagnetic field P309
in RBD patients P422
- Electromagnetic (EM) fields
GSM/UMTS 54, 55
pulsed, dose-dependent effects of P305
- radio-frequency
modifying sleep/waking EEG and cerebral blood flow 52
and sleep disorders 53
- talk-mode, alerting effect of P310
and waking EEG effects P309
- Electromyographs of upper airways in OSA/snoring P135
- Electrophysiology sensors
nanotechnology-based dry 34
wearable 35, P313
- Elevated nasal airflow pressure in aPAP P 393
- EM fields *see* electromagnetic (EM) fields
- Embletta
vs Embla devices in OSA diagnosis P248
vs Snorometer in snoring measurement P249
- Emotional memories consolidated during sleep P360, P361
- Emotional responses during game playing in narcolepsy 64
- Emotionality and chronic partial sleep deprivation 129
- Encoding difficulties promoting sleep spindle activity P356
- Endolaryngeal obstruction, sleep-related P 406
- Endothelial function in OSA 1
and CPAP 99
- effects on CBF 4
- Herbst mandibular advancement splint P400
- Entrainment
circadian pacemakers 125
disorder 10
in *Neurospora crassa* P343
- Environmental light in thermoregulation 41
- Epidemiology P139–52, P 407–19
- characteristics of mild vs moderate OSA P9
- narcolepsy 17
- OSA 18
- restless legs syndrome 19
- Epilepsy 48–51
and arousal disorders 48
and hypothalamic systems P448
and RBD 51
and SBD 50
and sleep behaviour disorders P163
- sleep disorders in P435
- sleep disturbance in P446
- Epileptic seizures and circadian rhythm P81
- Epworth Sleepiness Scale (ESS) P541
- Erythropoietin in sporadic *vs* familial RLS P65
- Esophageal pressure management P242
- Eveningness *see* circadian preference
- Event-related potentials
information processing during sleep P507
late positive potentials in REM sleep P519
in sleep disorders P134
- Evolution of slow-wave sleep/pallio-pallial connectivity P99
- EVT 201 randomised controlled trial 86
- Excessive daytime sleepiness (EDS)
in French population P 414
adolescents 92
modafinil, beneficial effects of P29
predicting carotid atherosclerosis 2
- Executive function and sleep loss/extension 128
- Exercise ECG detecting coronary artery disease in OSA P252
- Exhaled breath on-line analysis during sleep P497
- Extended shift work schedule
performance and alertness during P86
subjective/objective sleep analysis P90
- Extrapyramidal disease in RBD 66
- Extraversion and noise-related sleep P177
- Facio-mandibular myoclonus, REM sleep-related P431
- Factor analysis of cardiovascular risk factors in sleep apnea P124
- Familial incidence of insomnia P257
- Familial insomnia, fatal P453
- Familial night-eating syndrome P429
- Familial restless legs syndrome P65
- Family conflict in childhood as predictor of insomnia P255
- Family roles, effect of, on women's sleep P186
- Fatal familial insomnia P453
- Fatigue
effects of noise and shiftwork on P188
in head-neck trauma patients P474
in multiple sclerosis P445
and sleep continuity 104
- fatigue model predictions of sleepiness P187
- Ferritin, serum, in RLS patients P73
- First-night effect as model for transient insomnia P263
- Flightcrew's sleep following 12-hour time zone change P349
- Flights, long haul, sleep during P336
- Flu-shot, immune responses to, and sleep apnea P491
- Fluvoxamine P478
- fMRI *see* functional magnetic resonance imaging (fMRI)
- Formerly iron deficient anemia (FIDA) children
cortisol in P462
nocturnal sleep consolidation P468
- French narcolepsy observatory 65
- Functional magnetic resonance imaging (fMRI)
brain region activity during NREM sleep 115
humour processing in narcolepsy P39
mapping sleep deprivation effects 130
memory consolidation during sleep
emotional memories P360
motor memory P358
navigation and sleep-dependent change P359
neural correlates of sleep spindles 114
non-image forming (NIF) responses with blue light exposure 124
psychophysiologic insomnia and task-switching P260
- GABA-A receptors
agonist P373, P499
effect of valerian on P224
- GABA-B/GABA-C receptor antagonist
influence on sleep-wake cycle P210
- GABA-ergic cells
in basal forebrain, activity across sleep-waking cycle 38
thalamic/hypothalamic, projecting to REM sleep-inducing area P96
- Gabapentin for RLS P76
vs ropinirole P71
- Gaboxadol P373, P374, P377
- GAIA database on consumption of hypnotics P 415
- Gastro-oesophageal reflux and OSA P10

- Gender
and cardiovascular consequences of arousal P521
and effects of ageing on EEG power spectra P524
effects of sleep deprivation in pregnancy P237
- Gene expression profiling studies of sleep and wakefulness 58
- Generalized anxiety disorder
and sleep-related rhythmic movement disorder P434
time series/fractal analyses in anxiety P284
- Genetic markers for OSAS P16
- Genetics
circadian rhythms 120
clock gene polymorphisms 9, 121
daytime sleepiness P198
delayed sleep phase disorder 9
EEG oscillations during sleep 47
nematode model 152
obstructive sleep apnea 59
profile of narcoleptic patients P25 R228060/YKP10A P222
restless legs syndrome 56, P61, 144
sleep and wakefulness 57, 58
sleep architecture/continuity/ EEG spectral profiles P209
sleep/sleep disorders 56–9
- Genioglossus motor unit activity 101
- Gestalt therapy for nightmares 84
- Ghrelin, intrahypothalamic, suppressing sleep P496
- Glucose metabolism and sleep deprivation 141
- Glutathione diurnal fluctuations in CSF P503
- Granger analysis of EEG delta band upper limit P511
- Graphoelements of EEG, scoring of P509
- Growth hormone-releasing hormone 134
- GSM electromagnetic fields, effects on sleep 54, 55
- Guillain–Barré syndrome in RBD 31
- Habitual sleep duration 44
- Haloperidol P91
- Head/neck features in OSA *vs* snoring P1
- Headache
prevalence of RLS/PLM P318
and sleep disorders P162
- Health determinants of sleep quality P149
- Health locus of control P291
- Health-related quality of life P457
- Heart rate
increment as sleep fragmentation marker 68
and periodic/non-periodic keq movement 148
and sleep EEG microstructure in SDB P251
variability
analysis to detect sleepiness 32
changes after cumulative sleep restriction P238
and sleep EEG power spectra P18
in sleep onset and alternation of stages P526
- Heart rate variability/actigraphy monitor P302
- Heat shock protein 70 in sleep apnea 100
- Hemispheric asymmetry
in memory consolidation 73
and paw preference in rats 79
- Hemochromatosis and sleep disturbance P473
- Herbst mandibular advancement splint P399
- Heritability
daytime sleepiness P198
sleep architecture/continuity/ EEG spectral profiles P209
sleep EEG fingerprint P512
- High altitude and sleep quality P193, P194
- Hippocampal expression of zif-268 in sleep deprivation P233
- Hippocampal-neocortical dialogue, pilocarpine effects on P216
- Hippocampal neurogenesis and sleep fragmentation P543
- Hippocampal neuronal plasticity, sleep modulated P363
- Histamine diurnal fluctuations in CSF P503
- Histamine synthesis inhibitor and orexin-induced wakefulness P214
- HLA genotypes in OSAS P16
- HLA in myotonic dystrophy P454
- HLA testing
of narcolepsy-cataplexy patients P34
of narcoleptic patients P25
- Home testing/treatment for OSA P398
- Homocysteine, elevated, and RLS P459
- Hormonal effects of cumulative partial sleep deprivation 3
- Hormonal sleep enhancement 134
- Hormone therapy and attention after sleep deprivation P528
- Hospital treatment of circadian rhythm sleep disorders P347
- Hospitalised psychiatric patients, insomnia in P184
- 5HT *see* serotonin
- Humidified *vs* dry CPAP P385
- Humidifiers for mechanical ventilation P381
- Humour processing in narcolepsy by fMRI P39
- Hypersomnia, diagnostic/therapeutic management of P31
- Hypertension
cardiac control during sleep 142
mathematic modeling 143
masked, and obstructive sleep apnea syndrome 98
'non-dipper' patients and OSAS P126
phasic increases in arterial pressure during REM sleep P471
REM sleep architecture and P469
and sleep-dependent cardiovascular changes P463
see also blood pressure
- Hypnogenic activity of tripeptide complexes P95
- Hypnotic action of melatonin, time-of-day dependent P89
- Hypnotics
consumption in La Ribera health area P415
and insomnia mortality P407
sleep quality and mortality 108
and sleep-wake rhythm P223
usage in elderly patients P266
vs CBT in elderly patients P270
- Hypobaric hypoxia and sleep quality P193
- Hypocretin-1 deficient narcolepsy identification P19
- Hypocretin levels in narcolepsy-cataplexy P34
- Hypocretins innervating mesopontine neurons P100
- Hypoglycemia
counter-regulation 141
during sleep impairs memory consolidation P355
- Hypothalamic nuclei in sleeping sickness model P494
- Hypothalamic projections to REM sleep-induction area of brainstem P96
- Hypothalamic sleep-promoting/arousal systems P448
- Hypothalamus–pituitary–adrenal axis and daytime sleepiness P232
- Hypoventilation, nocturnal, in muscular dystrophy P438
- Hypoxia
hypobaric, and sleep quality P193
initial ventilatory response in sleeping preterm infants P154
intermittent, and cognitive function 96
in OSAS, memories affected by P13
- ICAM-1 and cardiovascular morbidity in OSA P130
- Immune response regulation gene expression in sleeping sickness model P494
- Immune responses impaired by sleep apnea P491
- Immune system effects of sleep restriction 139
- Immunoglobulins
192 IgG-saporin in sleep regulation P112
intravenous
and cataplexy P24
in early narcolepsy P36
- Impaired sustained vigilant attention in narcolepsy-cataplexy P33
- Impulsivity and sleep problems P171

- Indian sleep patterns 7
- Individual and time-varying model between sleep and thermoregulation P516
- Individual differences in sleep duration/circadian regulation 44
- Inemuri 8
- Infants P55
- bladder voiding and arousal 89
 - daytime and sleep behaviours P51
 - initial ventilatory response to hypoxia P154
 - neonatal brain development P159
 - nocturnal interplay with postpartum mothers P60
 - preterm, video-polysomnography in 88
 - sleep improved by parent education P53
 - sleep state/position and baroflex sensitivity P505
 - sleep-wake rhythm after apparent life threatening event P153
 - sleeping bags and body temperature P50
 - yawning distribution across 24 hours P48
 - see also* children
- Information flow between hemispheres during sleep stages P517
- Information processing during sleep P507
- Insomnia P255–78
- among primary care physicians P148
 - and autonomic function P275
 - and chronic heart failure P457
 - chronic intrinsic P261
 - chronic sleep onset, and melatonin 94
 - cognitive-behaviour therapy for P264 plus medication 85
 - and daytime complaints P151
 - diagnosis by actigraphy P330
 - in elderly people P139, P260, P266
 - CBT *vs* hypnotics P270
 - EVT 201 trial 86
 - familial incidence P257
 - family conflict in childhood as predictor P255
 - fatal familial P453
 - gaboxadol for P373, P374
 - and habitual sleep duration P262
 - in hospitalised psychiatric patients P184
 - incidence in train drivers P 413
 - ISES for assessing self-efficacy P271
 - memory consolidation during sleep 83
 - mortality P 407
 - natural history of P277
 - neurobiology of P272
 - night-to-night variations in sleep structure 81
 - nocturnal eating P141
 - occupational/daytime functioning P267
 - over 20-year period in Sweden P265
 - perceived, in pregnancy P143
 - psychophysiological *see* psychophysiological insomnia (PI)
 - psychophysiological theories P269
 - quality of life P 409
 - restless legs syndrome after renal transplant 149
 - self-paid, voluntary CBT offered via internet P416
 - self-report
 - in pregnancy P259
 - vs* recorded P258
 - sleep-related attentional bias 82
 - stress-related sleep disturbance P174
 - symptom profile P142
 - therapy with citalopram P256
 - and training for successful aging P273
 - transient
 - gaboxadol for P377
 - model of P263
 - trazodone, longitudinal effects of P368
 - validation of translational model 80
 - and vigilance testing affected by skin warming P278
 - zolpidem for P374
- Insulinoma resenting as night paroxysmal movement disorder P465
- Interleukins
- IL-1 inhibiting firing rate of cholinergic neurons P489
 - IL-8 and nocturnal desaturation in sleep apnea P129
- Internet *see* web-based services
- Interpersonal psychotherapy outcome in depression P180
- Intrahypothalamic ghrelin supressing sleep P496
- Intraoral Snoring Therapy (IST) P 402
- Intrathecal baclofen, effects on sleep/ventilation P444
- Iron levels in RLS patients P73
- ISES for assessing self-efficacy in insomnia P271
- Juvenile/young offenders, sleep problems in P171
- K complexes, visually-triggered P114
- Kickstrip P331
- Kleine–Levin syndrome P41
- Laser evoked responses fo pain during sleep 117
- Late positive potentials in REM sleep P519
- Laterodorsal tegmental nucleus neurons, inhibition of P489
- Learning-associated odour in memory consolidation 74
- Learning failure in children with occult sleep disturbances P42
- Learning of motor-skills after slow-wave sleep suppression 75
- Learning, offline, developmental differences in 72
- Learning potentiation with slow oscillations P487
- Left ventricular function P 253, P 396
- Leg electromyography 145
- Leptin in OSA P133
- Levodopa P327
- Light, bright, to alleviate shift work P342
- Light–dark cycle length, effects of 123
- Light entrainment in *Neurospora crassa* P343
- Light exposure patterns
 - effects on time-place learning task P87
 - in healthy older people P80
 - in menopausal women P460
- Light, moderate intensity, and circadian pacemaker entrainment 125
- Light therapy
 - and behaviour for shiftworkers 126
 - effects in Parkinson's disease P443
 - plus melatonin in demented elderly P335
- Limb movement during sleep
 - muscle fibres in spinal cord injury rats P70
 - see also* periodic limb movement (PLM)
- Limbic system in RBD 30
- Linkage studies in restless legs syndrome P61
- Lipopolysaccharide and OSA 4
- Lisuride, transdermal P325
- Local field potentials (LFP) mapping sleep-wake states P104
- Locus coeruleus (LC) in memory
 - consolidation 21
 - in slow wave sleep 23
- Locus of control and sleep P291
- Low-resolution electromagnetic tomography (LORETA) P20, 77
- Lucid dreaming therapy for nightmares 84
- Lymphocyte changes in sleep deprivation/recovery 135
- Maca and sleep structure/sleep inset period P365
- Magnetic resonance spectroscopy
 - in Kleine–Levin syndrome P41
 - metabolic changes in amygdala in narcolepsy P32
- Mandibular repositioning appliances P 400, P 401
 - efficacy/compliance P 404
 - polysomnography P 402
- Mapping sleep deprivation effects 130
- Marijuana users, sleep during abstinence P286
- Mathematic modeling of cardiac control during sleep 143
- Mathematical model of sleep P304
- MDL100907 P211
- Medical students, sleepiness in P199
- Medication plus cognitive-behaviour therapy for insomnia 85
- Melanin-concentrating hormone receptor 1 P113

- Melatonin
 circadian periodicity 122
 after minimal invasive surgery P85
 for delayed sleep phase disorder P339
 effects on ADHD and insomnia 94
 hypnotic action, time-of-day dependent P89
 in menopausal women P460
 plus light therapy in demented elderly P335
 and polysomnographic sleep parameters P346
 in RBD patients P433
 safety P339
 therapy for REM sleep behaviour disorders P 405
- Memory and sleep organization P283
- Memory consolidation during sleep 21
 cerebral asymmetry 73
 declarative memory P476
 developmental differences 72
 emotional memories P360, P361
 ERP correlates in serial reaction time task P354
 explicit memory task P488
 hypoglycemia during sleep impairing P355
 implicit/explicit memory P479
 increasing sleep spindles P475
 learning-associated odour 74
 motor memory P358, P480
 motivation-dependent P484
 motor sequence learning task P475
 napping P479, P480
 noradrenergic system 21
 in primary insomnia 83
 procedural memory P478
 'rendering' of information P352
 in schizophrenia P483
 selective benefit to weak memory traces P351
 sleep spindles 20, P485
 slow wave activity 22
- Memory performance
 in depression P180
 and EEG theta power P482
- Memory prospective task and sleep organization P357
- Memory retrieval changes after overnight sleep P481
- Memory-sleep relationship in Alzheimer's disease P477
- Memory sources of dreams, automatic analysis system P296
- Menopausal women
 restless legs syndrome (RLS) in P321
 sleep quality P472
- Mental conditions *see* psychiatric disorders
- Mesopontine neurons innervated by hypocretin/orexin P100
- Metabolic effects of sleep duration/body mass index P493
- Metabolic parameters
 in narcolepsy P37
 in thermoregulation 41
- Metabolic syndrome in OSA P131, P132
- Methamphetamine, dopaminergic role in arousing effects P215
- Microstructural sleep alteration in narcolepsy P27
- Migraine P318
- Minimal invasive surgery, circadian rhythms after P85
- Mitral annular tissue Doppler systolic velocities (MATDSV) in OSAS P253
- Mobile communication
 delaying sleep onset P310
 and sleep 52–5
 and waking EEG effects P309
- Modafinil
 in CPAP withdrawal P 388
 effects on excessive daytime sleepiness P29
 and melanin-concentrating hormone receptor 1 P113
 narcolepsy symptoms and COMT/SERT genotypes P35
 psychometric performance under P21
- Mood
 benefits in EDS with modafinil P29
 in depression during sleep deprivation therapy P281
 effects of napping on premenstrual women P467
 improvement with melatonin/light therapy P335
 and insomnia in pregnancy P259
 and sleep phase before awakening P314
- Moon phases and mental conditions P340
- Morningness *see* circadian preference
- Morphostatic correlates and sleep apnea P3
- Mortality
 increased, and nightmares 106
 restless legs syndrome P78
 sleep quality and hypnotics 108
- Motor cortex excitability after sleep deprivation P532
- Motor memory
 enhancement, sleep-dependent P282, P358
 motivation-dependent consolidation P484
 post-training naps P480
- Motor responses during game playing in narcolepsy 64
- Motor sequence learning task P475
- Motor-skills learning and slow wave sleep suppression 75
- Motor symptoms and light therapy in Parkinson's disease P443
- Motor unit activity in genioglossus 101
- Movement P160
- Movement disorders
 and sleep-related breathing disorders 15
see also specific disorders
- Mozart effect in relaxation therapy P294
- MSLT/MWT, alternative to P315
- MSLT *vs* MWT, effects of acute stress on P191
- Multilacunar encephalopathy with median pontine lesion P425
- Multiple sclerosis
 fatigue/sleepiness in P445
 and new form of RLS P326
- Multiple system atrophy P447
- Multitask performance recovery after sleep deprivation P228
- Muscle activity during REM sleep in RBD 29
- Muscle fibres in rats with limb movement during sleep P70
- Muscle pain and sleep P145
- Muscular dystrophy, nocturnal hypoventilation in P438
- Music effect in relaxation therapy P294
- Music improving sleep quality P197
- MyHeart physiology sensors 35
- Myotonic dystrophy type I
 childhood onset P56
 HLA and sleep onset REM P453
- Nanotechnology-based dry sensors 34
- Napping
 and age-regulated changes to sleep regulation P241
 and implicit/explicit memory consolidation P479
 improving night-time driving P203
 and mood in women with premenstrual symptoms P467
 nocturnal, effects on performance/sleepiness P189
 post-training memory consolidation P480
 school shifts in Croatian adolescents 109
 and sleep spindle activity changes P356
 students' sleep patterns in Japan 8
 whole body cooling 138
 at work, normalization of 5
see also daytime sleep
- Narcolepsy 17
 assessment for disability benefit P23
 childhood 91
 COMT/SERT genotypes and modafinil response P35
 early, effect of intravenous immunoglobulins on P36
 emotional/motor responses in game-playing 64
 French narcolepsy observatory 65
 genetic profile of patients P25
 humour processing fMRI assessment P39
 hypocretin-1 deficient patients P19
 metabolic changes in amygdala P32
 metabolic parameters P37
 microstructural sleep alteration in P27
 psychometric performance under modafinil P21
 quality of life P22
 REM sleep regulation P28
 RLS prevalence P332
 skin temperature and sleep propensity P20

- sleep onset REM periods, temporal distribution of P26
- sodium oxybate-induced changes in alertness/sleep continuity in P379
- Swiss narcolepsy scale P19
- TNF receptor plasma levels P38
see also cataplexy
- Narcolepsy-cataplexy
- HLA testing and hypocretin levels P34
- impaired sustained vigilant attention P33
- Natural history of insomnia P277
- Navigation and sleep-dependent change P359
- Neck circumference and respiratory disturbance P2
- Nematode sleep model 152
- Neocortex
- mechanisms of autonomous spindle oscillations P98
- synaptic changes induced by sleep spindle-related firing patterns 20
- Neural correlates of sleep spindles 114
- Neurobehavioural functioning in CPAP withdrawal P 388
- Neurobiology of insomnia P272
- Neurodegenerative disorders
- RBD as early marker P426
- and sleep-related breathing disorders 15
- economic/organizational aspects 13
- Neurogenesis, hippocampal, and sleep fragmentation P543
- Neuroholography and dream pictures P350
- Neuroleptic drugs
- dream content investigation in schizophrenia P181
- rest-activity cycles in Alzheimer's disease P91
- Neurological comorbidity of complex sleep apnea syndrome P4
- Neurological symptoms and sleep disorders P161
- Neurology P435–56
- Neuromuscular disorders and sleep-related breathing disorders 16
- Neuronal activation
- in preoptic area during sleep 156
- waking-specific 157
- Neuronal correlates of sleep-dependent declarative memory consolidation P476
- Neuronal plasticity modulated by paradoxical sleep P363
- Neuropeptide Y
- and leptin in OSA P133
- promoting wakefulness 136
- Y2-receptor agonist P213
- Neuropeptides, hypnogenic activity P95
- Neurospora crassa*, light entrainment in P343
- Neuroticism and noise-related sleep P177
- Neutrophil apoptosis in sleep apnea P119
- Night-eating syndrome (NES) P429
- Night paroxysmal movement disorder, insulinoma presenting as P465
- Nightmares
- cognitive therapy 84
- increased mortality in men 106
- Nightworkers *see* shiftworkers
- Nitric oxide (NO) P495
- p-Nitrophenylphosphatase, sleep deprivation induced P539
- NMDA receptor function P542
- Nocturia in older people associated with frequent napping P185
- Nocturnal eating and insomnia P141
- Nocturnal frontal lobe epilepsy 48
- Nocturnal hypoventilation in muscular dystrophy P438
- Nocturnal interplay between postpartum mothers and infants P60
- Nocturnal sleep consolidation in FIDA children P468
- Noise and fatigue as function of age P188
- Noise-related sleep/performance alterations P177
- 'non-dipper' hypertension and OSAS P126
- Non-image forming (NIF) responses with blue light exposure 124
- Non-migraine headache P318
- Non-periodic leg movement (PLM) 148
- Non-REM sleep *see* NREM sleep
- Non-seasonal affective disorder, light therapy trials in P94
- Noradrenergic system in memory consolidation 21, 23
- NREM parasomnias, new variant P427
- NREM sleep
- in ADHD children P167
- and arousal events 119
- brain region activity 115
- brain temperature 40
- EEG and attention in schizophrenia patients P288
- spectral profiles of gaboxadol *vs* zolpidem P374
- TMS-evoked potentials 113
- NREM sleep-dependent thalamocortical resonance in Asperger's syndrome P287
- Nurse specialists delivering CBT P264
- Obesity hypoventilation syndrome P 397
- Obesity, sleep and physical inactivity P458
- Objective/subjective sleep analysis of extended shift work schedule P86, P90
- Obsessive-compulsive disorder, sleep onset REM periods in P292
- Obstructive sleep apnea (OSA) P1, 18
- asthma/gastro-oesophageal reflux P10
- auto-CPAP in P384
- cardiac surgical outcomes 103
- cardiorespiratory coupling reducing sympathetic excitation P118
- cardiovascular morbidity and circulating ICAM-1 P130
- and CBF regulation 4
- CPAP for residual excessive sleepiness 97
- diagnosis by Embla *vs* Embletta devices P248
- EEG spectral power during sleep deprivation P138
- electromyographs of upper airway P135
- endothelial function in 1
- and CPAP 99
- head/neck features P1
- home testing/treatment P 398
- hypoxia and cognitive function 96
- irregular work hours in truck drivers P12
- mandibular advancement oral appliance P401
- Herbst P400
- measurement P243
- metabolic syndrome in P131, P132
- mild *vs* moderate P9
- neuropeptide Y and leptin P133
- oropharyngeal vibration and thermal sensitivity 102
- portable recording device P246
- psychic disorders P14
- as risk factor for brain small vessel disease P128
- risk factors P2
- serum copper/zinc P11
- sleep-related sweating in CPAP P392
- and snoring diagnosis/treatment P399
- susceptibility locus 59
- vascular responses in 26
- Obstructive sleep apnea syndrome (OSAS)
- aortic stiffness as cardiovascular predictor P127
- and bruxism P5
- HLA genotypes P16
- left ventricular function P253, P396
- mandibular repositioning appliances P404
- and masked hypertension 98
- memories affected by hypoxia P13
- palatal surgery for P403
- prevalence
- among 'non-dipper' hypertensives P126
- in neurological patients P455
- right ventricular function P121
- sleepiness/performance tests P524
- snoring frequency analysis P247
- Occult sleep disturbances and learning failure P42
- Occupational functioning in insomnia P267
- Octodon degus*, sleep homeostasis in 154
- Odour, learning-associated, in memory consolidation 74
- Oesophageal pressure management P242
- Offline learning, developmental differences in 72
- Older people
- arousal thresholds to smoke alarm signals P520
- body movements during sleep P421
- CBT *vs* hypnotics for insomnia P270

- daytime sleepiness in P139, P140
demented patients
 prolonged periods of sleep in P441
 rest-activity cycles in P440
depression in P140
discrepancy between self-report and recorded sleep P258
effects of noise and shiftwork on fatigue P188
healthy, light exposure patterns in P80
hypnotics usage P266
melatonin plus light therapy in dementia P335
napping and associated disorders P185
SDB/insomnia in P139
sleep disturbance P140
 and cognitive impairment P192
sleepiness and cognitive impairment P192
social comparison phenomenon P196
task-switching in patients with insomnia P260
- Olfactory findings in RBD 28
- On-line behavioural state detection in sleep-deprived rats P312
- Open-eyed sleep
 unilateral eye closure P108, P110
 visually-triggered K complexes P114
- Optical pulse wave sensor assessment of sleep quality P300
- Oral contraceptive use and psychomotor vigilance task P227
- Orexin-containing neurons in sleeping sickness models P502
- Orexins
 CRH receptor type 1 knockout mice P499
 innervating mesopontine neurons P100
- Oropharyngeal vibration in snoring/OSA 102
- OSA *see* obstructive sleep apnea (OSA)
- OSAS *see* obstructive sleep apnea syndrome (OSAS)
- Outcome definitions in RLS P324
- Oxidative stress and heat shock protein 70 in sleep apnea 100
- Pacifier use for sleeping infants P57
- Pain in older people associated with frequent napping P185
- Palatal surgery for OSAS P 403
- Palliopallial connectivity evolution in mammals/birds P99
- Paradoxical sleep (PS)
 and carotid occlusion P436
 decoupling of thalamic/cortical activities P513
 modulating neuronal plasticity P363
- Parahippocampal ripples P510
- Parasomnias P420–34
 in early childhood P54
- Parent education improving infant sleep P53
- Parkinson's disease/parkinsonism
 light therapy P443
- RBD in 30, P423
 sleep disorders P447
- Paroxysmal *vs* confusional arousals 71
- Partial sleep deprivation *see* sleep restriction
- Patient training for cataplexy P30
- Paw preference and hemispheric asymmetry 79
- Pediatrics P42–60, P153–70
 intensive care, sleep quality in P59
 see also adolescents; children; infants
- Per2 oscillations, cellular 122
- PER3 gene VNTRs and sleep/waking preferences P92
- Perfectionism and sleep disturbance P172
- Performance
 deterioration during extended work schedule P86
 effects of sleep restriction P236
 tests in OSAS P254
- Periodic limb movement (PLM)
 automatic scoring with threshold based algorithm P67
 and blood pressure 147
 cyclic alternating pattern as pacemaker of 70
 gabapentin for P76
 heart rate/EEG changes 148
 overestimation by actigraphy P316
 prevalence in migraine/non-migraine headaches P318
 and sleep disturbance P330
 see also limb movement during sleep; restless legs syndrome
- Periodic limb movement during sleep (PLMS)
 and ADHD P160
 and blood pressure 147
 and Kickstrip P331
- Periodic limb movement while awake (PLMW) 147
- Periodic sharp wave complex P451
- Peripheral arterial tone during sleep 27
- Personality P171–84, P279–94
- Pet therapy program for dementia patients P466
- Pharmacokinetic profile of zolpidem P378
- Pharmacology research
 in animals P210–24
 in zebrafish model 153
- Phenytoin P163
- Physical inactivity, obesity and sleep P458
- Physical intimacy and CPAP P383
- Physicians, primary care, insomnia in P148
- Physiological parameters
 sleep quality at high altitude P194
 sleeping infants with pacifiers P57
- Physiology sensors *see* electrophysiology sensors
- Pilocarpine
 effects on hippocampal-neocortical dialogue P216
- effects on sleep EEG in waking/sleeping P218
- Pituitary adenylate cyclase activating peptide (PACAP) and sleep regulation P367
- Placebo effect of caffeine P375
- Planning ability benefits in EDS with modafinil P29
- Plasticity P541
 associative motor plasticity in RLS P74
 neuronal, modulated by paradoxical sleep P363
 synaptic
 altered by sleep deprivation P542
 slow wave activity and 22
- Polysomnographic sleep parameters and melatonin levels P346
- Polysomnography P261
 chronic intrinsic insomnia P261
 in different types of dementia P456
 findings in RLS P317
 'good' sleepers and aging P508
 RBD in Parkinson's disease P423
 from reduced sensor set P311
 sleep quality 111
- Portable recording device for respiratory disturbance in OSA P246
- Positron emission tomography (PET) 116
- Post-nap effect as model for transient insomnia P263
- Post-training memory consolidation P480
- Postpartum mothers P60
- Posttraumatic stress disorder P182
- Prader–Willi syndrome
 and sleep apnea P15
 upper airway infection and respiration in sleep P137
- Pramipexole P68, P333, P334
- Pravastatin P376
- Pre-to-post-sleep changes in event-related potentials P134
- Prediction of quality of life in sleep apnea P7
- Pregabalin in insomnia 87
- Pregnancy
 gender-specific effects of sleep deprivation P237
 insomnia/stress, perceived P143
 RLS in P64
 self-report insomnia/mood states P259
- Premenopausal women and RLS P320
- Premenstrual dysphoric disorder (PMDD) P464
- Premenstrual symptoms, napping and P467
- Preoptic area neuronal activation during sleep 156
- Prepotent response suppression in sleep deprivation P239
- Primary care consultation predictors P417
- Progesterone effects on sleep/cognition in postmenopausal women P366
- Progressive supranuclear palsy in RBD 31

- Prokineticin 2 gene, lack of 120
 Prolactin adaptation to sleep restriction/
 recovery P492
 Prolonged periods of sleep in demented
 nursing home patients P441
 Prothipendyl vs quetiapine P371
 Psychiatric disorders
 during new/full moon P340
 and OSA P14
 sleep in P418
 Psychiatric patients, hospitalised, insomnia
 in P184
 Psychogenic symptoms in menopausal
 women P460
 Psychometric performance under modafinil
 P21
 Psychomotor performance and adenosine
 system P535
 Psychomotor vigilance task during sleep
 deprivation P227
 Psychophysiological insomnia (PI)
 cognitive-behavioural therapy (CBT) P276
 quetiapine in P268
 sleep-onset 12
 and task switching in elderly P260
 Psychophysiological theories of insomnia
 P269
 Pulsed electromagnetic fields, dose-
 dependent effects of P305
 PYY₃₋₃₆ effects on sleep-wake rhythm
 P213
- Quality of life
 insomnia P 409
 in narcolepsy P22
 and RLS, pramipexole for P334
 in sleep apnea P7
 in sleep disordered breathing P6
see also health-related quality of life
 Quality of sleep *see* sleep quality
 Quetiapine P91, P268
 vs prothipendyl P371
- R228060/YKP10A non-amphetaminic
 stimulant P222
 Radio-frequency electromagnetic (EM) fields
 modifying sleep/waking EEG and cerebral
 blood flow 52
 and sleep disorders 53
 Radiological parameters of sleep apnea/
 stroke P123
 Rapid eye-movement sleep *see* REM sleep
 Rapid screening for restless legs syndrome
 P72
 RBD *see* REM sleep behaviour disorder
 (RBD)
 Recognition memory
 and sleep deprivation 78
 and slow wave sleep P486
 Recovery sleep
 and A1 receptor antagonist P531
 after deprivation 112
 induction in basal forebrain cholinergic cells
 36
 after restriction P230
 varying time in bed sleep doses P537
 Refugees from Abkhazia, sleep complaint
 assessment in P144
 Regional cerebral blood flow and radio-
 frequency EM fields 52
 Relationships of health night workers P226
 Relaxation therapy, Mozart/music effect in
 P294
 REM-like EEG features in wake-sleep
 transition 76
 REM sleep
 architecture in spontaneously hypertensive
 rats P469
 and attachment P280
 basal forebrain in 37
 brain processes supplying energy for P498
 and cognitive procedural task learning
 P362
 cortical activities at onset of rapid eye
 movements P522
 dark-pulse triggering P111
 high frequency EEG activity, and adult
 attachment styles P279
 late positive potentials P519
 phasic increases in arterial pressure in
 hypertension P471
 regulation
 long-term aspects of P97
 in narcoleptics P28
 and schizophrenia P175
 and serotonin 159
 spectral analysis in ADHD boys P164
 in spinocerebellar ataxia type 2 P450
 subthalamic nucleus activity P515
 TMS-evoked potentials 113
 transient blood pressure surges P116
 REM sleep behaviour disorder (RBD) P430
 in childhood narcolepsy 91
 cognitive impairment and slowing of waking
 EEG P422
 cognitive performances 66
 early marker for neurodegeneration P426
 and epileptic seizures 51
 Guillain-Barré syndrome 31
 limbic system in 30
 melatonin for P 405, P433
 olfactory findings, abnormal 28
 in Parkinson's disease/parkinsonism 30,
 P423
 phasic/tonic muscle activity 29
 progressive supranuclear palsy in 28
 serum sex hormone levels in P428
 synucleopathies 28
 absence of 31
 in tauopathies P420
 REM sleep-induction area of brainstem,
 GABAergic projections to P96
 REM sleep-related facio-mandibular
 myoclonus P431
 REM sleep without atonia P420
 Renal failure patients with RLS P459
 Renal transplant, insomnia/RLS after 149
 'rendering' of information during sleep
 P352
 Residential status and sleep regularity of
 students P169
 Residual excessive sleepiness, CPAP for 97
 Respiratory disturbance and BMI/sleepiness
 P2
 Respiratory disturbance index (RDI),
 portable recording device for P246
 Rest-activity cycles in demented elderly
 women P440
 Rest homeostasis in zebrafish P106
 Restless legs-like syndrome 150
 Restless legs syndrome (RLS) P61-79, 144-
 51, P316-35
 associative motor plasticity, impaired P74
 auditory startle mechanism disinhibition
 146
 augmentation
 dopaminergic therapy 60, P327
 guidelines 62
 in long-term treatment 60-3
 severity assessment 63
 augmentation severity rating scale 151
 daytime sleepiness in P69
 in depression P75
 vagus nerve stimulation for P66
 diagnosis 63
 diagnostic telephone interview, validation of
 P323
 drug treatment outcome definitions P324
 elevated homocysteine in renal failure
 patients P459
 epidemiology/social costs 19
 erythropoietin in sporadic vs familial P65
 fMRI studies 145
 gabapentin for P76
 vs ropinirole P71
 genetics 56, 144
 insomnia after renal transplant 149
 intermittent dosing of ropinirole P328
 linkage studies in Austrian families P61
 in menopausal women P321
 mortality P78
 polysomnography findings P317
 pramipexole for P68, P333, P334
 in pregnancy P64
 in premenopausal women P320
 prevalence
 in migraine/non-migraine headaches P318
 in narcolepsy P332
 psychopathological symptoms and
 treatment outcome P77
 rapid screening P72
 and restless legs-like syndrome 150
 in rheumatoid arthritis P79, P319

- ropinirole for P62, P63
vs gabapentin P71
 rotigotine patches P329
 serum ferritin levels in P73
 symptomatic for associated with multiple sclerosis P326
 transdermal lisuride P325
 unilateral P322
see also periodic leg movement (PLM)
- Retinoid pathway during sleep 155
 Rheumatoid arthritis, restless legs syndrome in P79, P319
 Rhythmic movement disorder (RMD) P434
 Risperidone P370
 RLS *see* restless legs syndrome (RLS)
 Ropinirole for RLS P62, P63, P328
vs gabapentin P71
 Rotigotine patches P329
- S-100b protein levels
 in OSAS P121
 in sleep apnea P120
- Salt-sensitive hypertension P463
 Saporin P112
 Schizophrenia
 dream content investigation P181
 memory consolidation during sleep in P483
 NREM sleep EEG and attention performance P288
 and REM sleep P175
- School napping in Japan 5
 School performance
 and chronic sleep reduction P166
 and sleep quality in adolescents P58
- School shifts
 in Croatian adolescents 109
 sleep patterns in adolescents P165
- Screening for sleep disorders in corporate health care 105
- SDB *see* sleep disordered breathing (SDB)
- Seasonal affective disorder (SAD), light therapy trials in P94
 Seasonal light therapy for shiftworkers 126
- Seizures
 frequency of, and sleep disorders P435
 night sleep EEG monitoring P452
 temporal lobe, daytime distribution patterns of P348
- Selective consolidation of weak memory traces P351
 Selective serotonin re-uptake inhibitor and procedural memory consolidation P478
 Semantic priming task dissipating sleep inertia P364
- Sensors for recording electrophysiology 34
 Sepsis-induced sleep alterations in rats P461
 Serial reaction time (SRT) task P354
 Serotonergic activation, effects of, on sleep patterns P102
 Serotonergic modulation of activity-rest rhythm P218
- Serotonin
 signaling in sleep deprivation 130
 in sleep and depression-like behaviour 159
 synthesis, effects of adenosine agonists on P219
- Serotonin-1A receptor system, desensitized by sleep restriction P234
 Serotonin-2A antagonists, effects on rat sleep parameters P211
 SERT genotype and narcolepsy response to modafinil P35
 Serum copper/zinc in OSA P11
 Serum ferritin in RLS patients P73
 Serum sex hormone levels in idiopathic RBD P428
 Sex differences in sleep regulation in depressed adults P176
 Sex hormone levels in idiopathic RBD P428
 Sexual activity and CPAP P382
- Shiftworkers
 bright light for P342
 effects of age/experience on health/sleep P147
 effects of noise on fatigue P188
 extended work schedule, performance and alertness during P86
 health workers' social roles and relationships P226
 light therapy and behaviour 126
 sleep and circadian adaptation P84
 sleep length/sleepiness differences P201
 Siesta culture in India 7
 Simulated classroom tasks P301
 Simulator assessment
 of driver drowsiness P315
 of head-neck trauma patients P474
- Site-specific CRH overexpression P101
- Skin temperature
 changes during sleep P523
 infant bedding P50
 sleep depth 137
 sleep propensity P20
 and sleep propensity 42
 and vigilance testing P278
- Sleep alterations, sepsis-induced P461
 Sleep and daytime behaviours in infants P51
 Sleep and mental conditions during new/full moon P340
 Sleep and progesterone in postmenopausal women P366
 Sleep and wakefulness in Hungarian adolescents P44
- Sleep apnea
 apnea duration index (ADI) P243
 atherosclerosis risk factors P119
 cardiovascular risk factors P124
 central
 idiopathic, due to Cheyne–Stokes respiration P17
see also sleep disordered breathing (SDB)
 complaints profile P 411
- and immune responses to flu-shot P491
 incidence in train drivers P 413
 interleukin (IL)-8 and nocturnal desaturation in P129
 morphostatic correlates P3
 obstructive *see* obstructive sleep apnea (OSA)
 oxidative stress and heat shock protein 70 100
 Prader–Willi syndrome P15
 quality of life prediction P7
 and REM sleep behaviour disorder P 405
 S-100b protein levels P120
 and smoking affecting cardiovascular risk P125
 and stroke P123
 Sleep apnea-hypopnea syndrome (SAHS) P115
 Sleep architecture
 heritability P209
 in mammals/birds P103
 in spontaneously hypertensive rats P469
 Sleep behaviour disorders in children on antiepileptics P163
 Sleep changes in rats exposed to social defeats P178
 Sleep classification, automatic, based on single EEG channel P295
 Sleep complaint assessment in refugees from Abkhazia P144
 Sleep continuity
 heritability P209
 predicting reduced sleepiness 104
 and zolpiden P378
 Sleep control
 genetics 57
 expression profiling studies 58
 homeostatic, and cholinergic neurons P109
 Sleep debt
 of teenagers P156
 and total sleep time in UK 110
 varying time in bed sleep doses P537
 Sleep deficit, apparent 110
 Sleep-dependent learning
 motor memory enhancement and depression P282
 slow wave sleep suppression 75
 Sleep deprivation 128–35, P225–41, P528–43
 A1 receptor antagonist and sleep recovery P531
 adenosine A1 receptor occupancy 116
 and adult somnambulism P424
 age-related EEG changes 133
 and attention in women P528
 basal forebrain neuron inhibition P240
 CaResS device for studies P303
 cholinergic cell activity 39
 chronic partial, and serotonin signaling 129
 compensatory recruitment with 131
 cumulative, recovery from P228
 and delayed sleep phase disorder 10

- differential expression proteomics after P501
- in early pregnancy, effects on offspring P237
- EEG oscillations during recovery sleep 112
- EEG spectral power in OSA P138
- fMRI/EEG mapping effects 130
- of German adolescents P 410
- and glucose metabolism 141
- hippocampal expression of zif-268 P233
- hormonal sleep enhancement after 134
- impact on Epworth Sleepiness Scale P541
- lymphocyte changes 135
- motor cortex excitability after P532
- p-nitrophenylphosphatase induction P539
- and offspring mortality in rats P170
- partial *see* sleep restriction
- prepotent response suppression P239
- psychomotor performance and adenosine system P535
- and recognition memory 78
- REM *vs* NREM in depression P293
- slow wave activity after P518
- slow wave sleep P536
- therapy in depression P281
- total
- modulation of 132
- vs* partial, in women P231
- unihemispheric *vs* bihemispheric P529
- women in psychomotor vigilance task P227
- see also* sleep restriction; wakefulness, extended
- Sleep deprivation-induced sleep rebounds P538
- Sleep depth and skin temperature 137
- Sleep disordered breathing (SDB) P1–18, P115–38, P242–54, P380–406
- and arousal from sleep 25
- Chiari malformations P437
- children 90
- before/after adenotonsillectomy P52
- blood pressure measurement, overnight P55
- cortisol P8
- and epilepsy 50
- in neuro-degenerative disorders 13, 16
- and neurodegenerative disorders 15
- economic/organizational aspects 13
- prevalence in elderly P139
- quality of life P6
- snoring frequency analysis P247
- in stroke 14
- surgery failure P 406
- and transcutaneous CO₂ tension P245
- see also* specific disorders
- Sleep disorders
- accidents, home/leisure P146
- autonomic correlates of arousal 69
- childhood onset myotonic dystrophy type I P56
- corporate screening and diagnosis 105
- and epilepsy 49
- heart rate as sleep fragmentation marker 68
- in juvenile/young offenders P171
- pre-to-post-sleep changes in event-related potentials P134
- predictors of primary care consultation P417
- and radio-frequency EM fields 53
- seizure frequency P435
- subjective symptomology P150
- and weight gain 140
- Sleep disturbance
- of adolescents/preadolescents P168
- in Alzheimer's disease, acetylcholinesterase imaging P439
- and cognitive impairment in elderly P192
- in elderly people P140
- in epileptic patients P446
- and hemochromatosis P473
- lack of, in posttraumatic stress disorder P182
- muscle pain P145
- and perfectionism in young males P172
- and periodic limb movement (PLM) P330
- pramipexole for P333
- in RLS, ropinirole for P62
- stress-related P174
- Sleep duration
- effects on metabolic measures P493
- individual differences in shiftworkers P201
- and insomnia complaints P262
- trait *vs* state P 412
- weekend effect P 412
- see also* habitual sleep duration
- Sleep during long haul flights P336
- Sleep EEG power spectra
- and clock gene polymorphisms 121
- thermophysiological influences on 43
- Sleep EEG spectra and bath temperatures 118
- Sleep extension
- school shifts in Croatian adolescents 109
- selective attention/executive function 128
- Sleep fragmentation
- marker 68
- reducing hippocampal neurogenesis P543
- Sleep habits
- of adolescents/preadolescents P168
- of German adolescents P 410
- of Portuguese students P419
- of Swedish adolescents, changes in P47
- Sleep homeostasis
- in nematode model 152
- short term, of REM sleep 154
- Sleep in psychiatric disorders P418
- Sleep inertia 127
- dissipation in semantic priming task P364
- EEG spectral power/cognitive performance P225
- Sleep instability and ADHD 95
- Sleep loss
- as cardiovascular risk factor 107
- selective attention/executive function 128
- Sleep, mathematical model of P304
- Sleep mechanisms 152–9
- Sleep modelling P299
- Sleep, obesity and physical inactivity P458
- Sleep onset
- cognitive processes during P504
- effects of Maca P365
- and heart rate variability P526
- psychophysiological insomnia and delayed sleep phase disorder 12
- Sleep onset latency (SOL)
- cognitive-behaviour therapy for P264
- thermophysiological influences 43
- Sleep onset REM periods
- in myotonic dystrophy P454
- in narcolepsy P26
- in obsessive-compulsive disorder P292
- Sleep organization
- correlating with attention/memory in autism P283
- and memory prospective task P357
- Sleep parameters
- in depression P180
- in elderly people, self-report *vs* recorded P258
- indicating sleep disorders, mathematical model for P304
- polysomnographic, and 6-sulfatoxymelatonin levels P346
- and training for successful aging P273
- Sleep patterns P103
- adolescents attending school in shifts P165
- in adolescents in USA 93
- athletes, finishing *vs* non-finishing P200
- in Croatian students 8
- disruption of, and offspring mortality in rats P170
- in dolphins with neonates P108
- and EEG delta power P93
- in India 7
- in Japanese students 8
- mapping by local field potentials P104
- serotonergic activation, effects of P102
- site-specific CRH overexpression, effects of P101
- in Swiss students P82
- Sleep phase before awakening P314
- Sleep pressure
- increasing, after Ayahuasca administration P369
- in vasospastic syndrome P470
- Sleep propensity
- daytime, age-related reduction in P341
- and skin temperature P20, 42
- Sleep quality
- assessment with optical pulse wave sensor P300
- awakening stage, effects of P195

- and cyclic alternating patterns P506
 demographic/socioeconomic/health determinants P149
 and emotional arousal P179
 evaluation in school children P49
 and gender roles in women P186
 high altitude
 with hypobaric hypoxia P193
 physiological parameter changes P194
 hypnotics and mortality 108
 and menopause P472
 music, improved by P197
 in pediatric intensive care P59
 and pet therapy program P466
 polysomnography 111
 school performance in adolescents P58
 and training for successful aging P273
 Sleep quality-related self-categorisations of elderly women P196
 Sleep regulation
 acetylcholine in *Drosophila* 158
 age-related changes P533
 after multiple naps P241
 in basal forebrain/hypothalamus 36–9
 brain-gut peptides in P490
 in 192 IgG-saporin-treated rats P112
 melanin-concentrating hormone receptor 1 in P113
 orexin, role of P499
 and pituitary adenylate cyclase activating peptide (PACAP) P367
 sex differences in depression P176
 Sleep-related breathing disorders (SBD) *see* sleep disordered breathing (SDB)
 Sleep-related endolaryngeal obstruction P 406
 Sleep-related movement disorders 87
 see also periodic leg movement (PLM); restless legs syndrome (RLS); rhythmic movement disorder (RMD)
 Sleep restriction
 altering amygdala function and stress reactivity P235
 CaResS device for studies P303
 cumulative, effects on cognitive functions P530
 and daytime sleepiness/HPA axis relationship P232
 desensitizing serotonin-1A receptor system P234
 and driving performance perception P204
 effects on performance, sleepiness and effort P235
 heart rate variability changes after P238
 hormonal effects 3
 immune system effects 139
 sleep dose-response study of recovery P230
 slow wave activity dynamics after P229
 thyrotropin/prolactin adaptation P492
 vs total deprivation P231
 Sleep spindles
 activity after visuo-motor learning P353
 autonomous oscillations, mechanism of P98
 fast *vs* slow in explicit memory consolidation P488
 increased by motor sequence learning task P475
 learning-related changes during napping P356
 in memory consolidation 20, 23
 low-resolution electromagnetic tomography 77
 and memory consolidation during sleep P485
 neural correlates 114
 and parahippocampal ripples P510
 role of electrical synapses P105
 time series/fractal analyses in anxiety P284
 wavelet detection P514
 Sleep stages
 and body movements in very old subjects P421
 and effects of ageing on EEG power spectra P524
 and heart rate variability P526
 and information flow between hemispheres P517
 Sleep state
 and baroflex sensitivity in infants P505
 and blood pressure in sleeping infants P155
 and initial ventilatory response to hypoxia P154
 Sleep structure
 and clock gene polymorphisms 121
 effects of Maca P365
 insomnia, night-to-night variations in 81
 and mandibular repositioning appliances P 402
 in sporadic Creutzfeldt–Jakob disease 67
 state- *vs* trait-specific variability 45
 Sleep suppression by intrahypothalamic ghrelin P496
 Sleep timing in couples P83
 Sleep trajectories and development milestones P46
 Sleep variables as predictors of bipolar disorder P173
 Sleep *vs* circadian influences on cardiovascular activity 24
 Sleep-wake disturbances after traumatic brain injury P449
 Sleep-wake evaluation, ambulatory, in blind subjects P345
 Sleep-wake history determining level of slow wave activity after sleep deprivation P518
 Sleep-wake rhythm
 after apparent life threatening event in infants P153
 effects of bedpartners P540
 effects of E-6199 P223
 effects of Y2-receptor agonist on P212
 GABA_B-GABA_A receptor antagonist, influence of P210
 heart rate variability/actigraphy monitor P302
 Sleep-wake stages and cortisol plasma concentrations P462
 Sleep-wake transition *see* wake-sleep transition
 Sleep/waking preferences and *PER3* gene VNTRs P92
 Sleepiness
 additive model of subjective judgements P190
 adolescents in shift schooling P165
 and alcohol-ascribed driving accidents P205
 blink modifications, quantitative analysis of P207
 circadian rhythm in sleep inertia on awakening 127
 and cognitive impairment in elderly P192
 daytime
 and chronic heart failure P457
 continuous probabilistic approach P299
 in elderly people P139, P140, P185
 heritability P198
 and HPA axis P232
 in untreated RLS P69
 detection in workplace/traffic 32–5
 effects of sleep restriction P236
 fatigue model predictions P187
 in French adolescents 92
 in head-neck trauma patients P474
 in health night workers P226
 individual differences in shiftworkers P201
 in medical students P199
 in multiple sclerosis P445
 prediction by three process model 33
 rating in monotonous performance situation P206
 and respiratory disturbance index P2
 and simulated accident risk P208
 and sleep continuity 104
 and slow eye movements P534
 tests in OSAS P254
 see also excessive daytime sleepiness (EDS); residual excessive sleepiness
 Sleeping bags for infants P50
 Sleeping position and blood pressure in infants P155, P505
 Sleeping sickness
 immune response gene expression in P494
 nitric oxide duality in P495
 orexin-containing neurons in rodent models P502
 Sleeplessness in autistic children, behavioural intervention for P45
 Sleepwalking *see* somnambulism
 Slow eye movements (SEMs) predicting EEG power changes P534
 Slow oscillation stimulation for learning P487

- Slow oscillations, topography of P525
- Slow wave activity
after Ayahuasca administration P369
and gaboxadol P377
after sleep restriction P229, P518
and synaptic plasticity 22
- Slow wave sleep (SWS)
in dementing illness P442
deprivation and daytime sleep propensity P536
evolution in mammals/birds P99
improved by gaboxadol P373
memory consolidation and recall cues 74
and nCPAP P 391
recollection in recognition memory P486
spindle activity in 23
suppression and motor skills learning 75
- Small vessel disease of brain, risk factors for P128
- Smiles and communication in newborns P43
- Smoke alarms and arousal thresholds P520
- Smoking and sleep apnea increasing inflammatory marker levels P125
- Snoring
diagnosis/treatment P 399
electromyographs of upper airway P135
frequency analysis P247
measurement P250
comparison of Embletta *vs* Snorometer P249
oropharyngeal vibration and thermal sensitivity 102
- Snorometer P249
- Social comparison phenomenon P196
- Social costs restless legs syndrome 19
- Social defeats and sleep changes P178
- Social roles of health night workers P226
- Socioeconomic determinants of sleep quality P149
- Sodium oxybate-induced changes in alertness/sleep continuity in narcolepsy P379
- SOFRES ISV survey 92
- Somnambulism, adult
clinical features/diagnosis P432
precipitating factors in P424
- Somnolence *see* sleepiness
- Spatial memories and hypoxia in OSAS P13
- Spindles *see* sleep spindles
- Spinocerebellar ataxia type 2, REM sleep in P450
- Spontaneous sleep in depression during sleep deprivation therapy P281
- Sporadic Creutzfeldt–Jakob disease, ‘deep sleep’ in 67
- Sporadic restless legs syndrome P65
- State-specific variability in sleep structure 45
- Status dissociatus in multilacunar encephalopathy P425
- Status parasomnicus P427
- Stress
effects on MSLT *vs* MWT P191
induced by CaResS device P303
perceived, in pregnancy P143
- Stress hormones and cumulative partial sleep deprivation 3
- Stress reactivity altered by sleep restriction P235
- Stress-related insomnia, pregabalin for 87
- Stress-related sleep disturbance P174
- Stridor 15
- Stroke
bilateral paramedian thalamic/upper brain stem P136
and sleep apnea P123
and sleep-related breathing disorders 14
- Students’ sleep patterns
in Croatia P169
in Japan 8
in Switzerland P82
- Subjective judgements of sleepiness, additive model of P190
- Subjective/objective sleep analysis P86, P90
- Subthalamic nucleus activity in REM sleep P515
- Sudden infant death syndrome (SIDS)
pacifier use P57
sleeping bag use P50
- Sundowning, reduction of with pet therapy P466
- Suprachiasmatic nucleus in thermoregulation 41
- Susceptibility locus for obstructive sleep apnea (OSA) 59
- Sweating, sleep-related and CPAP treated OSA patients P392
- Swiss narcolepsy scale P19
- Symptomology, subjective, in sleep disorders P150
- Symptoms, presenting, and final diagnoses P 408
- Synapses, electric , organizing sleep spindles P105
- Synaptic plasticity
altered by sleep deprivation P542
slow wave activity and 22
- Synchronous likelihood, usefulness of 71
- Synucleopathies in 28
- Systolic mitral annular motion (SMAM) in OSAS P253
- Tauopathies, parasomnias in P420
- Teenagers, sleep schedules of P156
- Temperature
bathing, and sleep EEG spectra 118
whole body, and napping 138
see also brain, temperature; core body temperature; skin temperature; thermoregulation
- Temporal coupling of parahippocampal ripples and sleep spindles P510
- Temporal lobe seizure, daytime distribution patterns of P348
- Temporal memories and hypoxia in OSAS P13
- Thalamus
activities in paradoxical sleep P513
mechanisms of autonomous spindle oscillations P98
projections to REM sleep-induction area of brainstem P96
- Thalamocortical resonance in Asperger’s syndrome P287
- Therapeutic management of hypersomnia P31
- Thermal sensitivity in snoring/OSA 102
- Thermal stress and infant bedding P50
- Thermophysiological influences on sleep onset latency 43
- Thermoregulation 40–3
individual and time-varying model P516
- THIP P223
mechanism of action P500
- Three process model predicting sleepiness 33
- Thyrotropin adaptation to sleep restriction/recovery P492
- Time-of-day dependent hypnotic action of melatonin P89
- Time-place learning task, effects of light regime on P87
- Time zone change, flightcrew’s sleep following P349
- TNF receptor plasma levels in narcolepsy P38
- Total sleep deprivation and attentional processes 132
- Total sleep time and sleep debt in UK 110
- Traffic, detection of sleepiness in 32–5
- Traffic noise model of insomnia 86
- Train drivers’ incidence of insomnia/sleep apnea P413
- Training for cataplexy patient s P30
- Trait-like individual differences in sleep EEG 46
- Trait-specific variability in sleep structure 45
- Transcranial magnetic stimulation (TMS)-evoked potentials 113
- Transcranial magnetic stimulation (TMS) study P532
- Transcription regulatory protein expression in sleep deprivation P233
- Transcutaneous CO₂ tension and SDB P245
- Trazodone P368
- Tri-peptide complexes, hypnogenic activity of P95
- Tryptophan intake
and circadian rhythm of urine output P338
and EEG power spectrum P220
- Tubilomamillary neuron activation, waking-specific 157

- UMTS electromagnetic fields, effects on sleep 54
- Unihemispheric *vs* bihemispheric sleep deprivation P529
- Unilateral eye closure P108, P110
- Unilateral restless legs syndrome P322
- Upper airway infection in Prader–Willi syndrome P137
- Upper airway obstruction and nasal CPAP P380
- Upper airway resistance syndrome (UARS) P247
- Upper airways electromyographs in OSA/snoring P135
- Urine output, circadian rhythms of P337
- Vagus nerve stimulation for RLS in depression P66
- Valerian
as adenosine receptor agonist P212
effect of extract on GABA-A receptors P224
- Validation
questionnaire on circadian preferences P307
Watch-PAT100 P308
- Valproate P163
- Variable number tandem repeats (VNTRs) in *PER3* gene P92
- Vascular responses in OSA 26
- Vasospastic syndrome P470
- Ventilation
effects of baclofen P444
mechanical P381
non-invasive, improving vigilance in P 397
- Video-polygraphic demonstration of status dissociatus P425
- Videopolysomnography (VPSG)
in night-eating syndrome P429
for preterm infants 88
- Vigilance
non-invasive ventilation improving P 397
recovery after sleep deprivation P228
testing affected by skin warming P278
- Visual detection-based apnea indexes P244
- Visually-triggered K complexes P114
- Visuo-motor learning, sleep spindles activity after P353
- Wake-after-sleep onset (WASO) P264
- Wake-REM sleep EEG coherence in autism P285
- Wake-sleep transitions
genioglossus motor unit activity 101
REM-like EEG features in 76
- Wakefulness
alpha-fluoromethylhistidine inhibiting P214
basal forebrain in 37
extended
and perception of driving performance P202
see also sleep deprivation
genetics 57
expression profiling studies 58
neuropeptide Y promoting 136
pharmacological strategies for, during military operations P372
and skin temperature 42
and sleep in Hungarian adolescents P44
sustained *see* sleep deprivation
TMS-evoked potentials 113
- Waking-specific neurons 157
- Watch-PAT100 validation P308
- Water deprivation and REM sleep P111
- Wavelet detection of sleep spindles P514
- Wearable electrophysiology sensors 35, P313
- Web-based services
apnea complaints in Netherlands P 411
quality of life survey of insomnia P 409
self-paid, voluntary CBT for insomnia P 416
- Weekend effect on sleep duration P 412
- Weight gain and sleep problems 140
- Whole body cooling and napping 138
- Workplace
detection of sleepiness in 32–5
irregular hours and OSA in truckdrivers P12
napping, normalization of 6
return to, and sleep continuity 104
- Yawning distribution across 24 hours in infants P48
- Yawning, spontaneous, and brain arousal P107
- YKP10A/R228060 non-amphetaminic stimulant P222
- Zebrafish sleep model
arousal threshold/rest homeostasis P106
pharmacology and adenosine system 153
zif-268 in sleep deprivation P233
- Zinc, serum, in OSA P11
- Zolpidem 85, P223, P374
pharmacokinetic profile P378
- Zopiclone P223
- Zurich Sleep Registry results P408