

Actiwatch® Bibliography

This bibliography contains references that have been sent to us as well as citations for abstracts from scientific meetings. It is not intended to be a complete bibliography, but rather it presents a sample of the work that has been done with this equipment.

If you have used Actiwatch devices in your research, we would appreciate receiving reprints if available, and if not, the full citation. Please email them to jessica.wojdak@respirronics.com. Please send reprints to: Attn: Jessica Wojdak, Respironics, 20300 Empire Avenue, Bldg. B-3, Bend, OR 97701, USA.

2007

Ayalon, L., Borodkin, K., Dishon, L., Kanety, H., Dagan, Y. Circadian rhythm sleep disorders following mild traumatic brain injury. *Neurology*, 2007;68;1136-1140.

Carvalho-Bos, S. S., Rixt F. Riemersma-van der Lek, Waterhouse, J., Reilly, T., and Van Someren, Eus J. W. Strong Association of the Rest–Activity Rhythm With Well-Being in Demented Elderly Women. *Am J Geriatr Psychiatry*. 2007; 15:92-100. (CNT).

Friedman, L. F., Zeitzer, J. M., Lin, L., Hoff, D., Mignot, E., Peskind, E. R., Yesavage, J. A. In Alzheimer disease, increased wake fragmentation found in those with lower hypocretin-1. *Neurology* 2007;68;793-794.

Goulet, Genevieve., Mongrain, V., Desrosiers, C., Paquet, J., Dumont, M. Daily Light Exposure in Morning-Type and Evening-Type Individuals. *Journal of Biological Rhythms*. 2007; 22; 151.

Lee, D., Morgan, K., and Lindesay, J. Effect of institutional respite care on the sleep of people with dementia and their primary caregivers. *J Am Geriatr Soc*, February 1, 2007; 55(2): 252-8. (CNT).

Vandewalle, G., Gais, S., Schabus, M., Balteau, E., Carrier, J., Darsaud, A., Sterpenich, V., Albouy, G., Dijk, D. J., Maquet, P. Wavelength-Dependent Modulation of Brain Responses to a Working Memory Task by Daytime Light Exposure. *Cerebral Cortex*, 2007. doi:10.1093/cercor/bhm007. (CNT).

2006

Anderson C; Horne JA. Sleepiness enhances distraction during a monotonous task. 2006. *SLEEP*; 29(4): 573-576. (CNT)

Arendt, Josephine., Middleton, B., Williams, P., Francis, G., Luke, C. (2006). Sleep and Circadian Phase in a Ship's Crew. *Journal of Biological Rhythms*. 21(3); 214-221. (CNT).

Berlin, A. A., Kop, W. J., Deuster, P. A. (2006). Depressive Mood Symptoms and Fatigue After Exercise Withdrawal: The Potential Role of Decreased Fitness. *Psychosomatic Medicine*; 68:224-230.

Bjorvatn, B., Stangenes, K., Oyane, N., Forberg, K., Lowden, A., Holsten, F., Akerstedt, T. (2006). Subjective and Objective Measures of Adaption and Readaptation to Night Work on an Oil Rig in the North Sea. *SLEEP*; 29(6): 821-829. (CNT)

Burgess, H. J., Eastman, C. I. (2006). Short Nights Reduce Light-Induced Circadian Phase Delays in Humans. *SLEEP*; 29(1): 25-30.

Eastman, C. I., Gazda, C. J., Burgess, H. J., Crowlet, S. J., Fogg, L. F. (2006). Advancing Circadian Rhythms Before Eastward Flight: A Strategy to Prevent or Reduce Jet Lag. *SLEEP*; 28(1):33-44.

Farrow, Tom, F. D., Hunter, M. D., Haque, R., Spence, S. A. (2006). Modafinil and unconstrained motor activity in schizophrenia. Double-blind crossover placebo-controlled trial. *British Journal of Psychiatry*. 189;461-462. (CNT)

Feinberg, Irwin., Higgins, L. M., Khaw, W. Y., Campbell, I. G. (2006). The adolescent decline of NREM delta, an indicator of brain maturation, is linked to age and sex but not to pubertal stage. *Am J Physiol Regul Integr Comp Physiol* 2091: R1724-R1729.

Hacker, Eileen., Ferrans, C., Verlen, E., Ravandi, F., van Besien., Gelms, J., Dieterle, N. (2006). Fatigue and Physical Activity in Patients Undergoing Hematopoietic Stem Cell Transplant. *Oncology Nursing Program*; 33(3): 614-624.

Hare, D. J., Jones, S., Evershed, K. (2006). A comparative study of circadian rhythm functioning and sleep in people with Asperger syndrome. *Sage Publications and The National Autistic Society*. Vol 10(6) 565-575.

Hare, D. J., Jones, S., Evershed, K. (2006). Objective investigation of the sleep-wake cycle in adults with intellectual disabilities and autistic spectrum disorders. *Journal of Intellectual Disability Research*. Vol 50(10) 701-710 October.

Hoekert, M. et al. (2006). Comparison Between Informant-Observed and Actigraphic Assessments of Sleep-Wake Rhythm Disturbances in Demented Residents of Homes for the Elderly. *Am J Psychiatry*; 14(2): 104-111. (CNT)

Jenni, O. G., Deboer, T., Achermann, P. (2006). Development of the 24-h rest-activity pattern in human infants. *Infant Behavior and Development*. *Infant Behavior & Development* 29;143-152.

Kaida K; Takahashi M; Haratani T et al. 2006. Indoor exposure to natural bright light prevents afternoon sleepiness. *SLEEP*;29(4): 462-469.

Kordas, Katarzyna., Siegel, Emily, H., Katz, Joanne., LeClerq, Steven, C., Khatri, Subarna, K., Tielsch, James., Stoltzfus, Rebecca, J. (2006). Nutritional status, sleep patterns, and nighttime activity in Nepali infants. *The FASEB Journal*. 20;20:A1050.

Landolt, H. P., Glatzel, M., Blattler, T., Achermann, P., Roth, C., Mathis, J., Weiss, J., Tobler, I., Aguzzi, A., Bassetti, C.L. 2006. Sleep-wake disturbances in sporadic Creutzfeldt-Jakob disease. *Neurology* 2006;66;1418-1424. (CNT).

Lauderdale, D. S. Knutson, K. L., Yan, L. L., Rathouz, P. J., Hulley, S. B., Sidney, S. Liu, K. (2006) Objectively Measured Sleep Characteristics among Early-Middle-Aged Adults. The CARDIA Study. *American Journal of Epidemiology*. 164(1): 5-16.

Lichstein, K. L., Stone, K. C., Donaldson, J., Nau, S. D., Soeffing, J. P., Murray, D. Lester, K., Aguillard, N. 2006. Actigraphy Validation with Insomnia. *SLEEP* 29(2): 232-239.

McKay, Sandra., Angulo-Barroso, Rosa, M. 2006. Longitudinal Assessment of Leg Motor Activity & Sleep Patterns in Infants with and without Down Syndrome. *Infant Behav Dev*. Apr;29(2):153-168.

Nindl, B. C., Rarick, K. R., Castellani, J. W., Tuckow, A. P., Patton, J. F., Young, A. J., Montain, S. J. (2006). Altered secretion of growth hormone and luteinizing hormone after 84 h of sustained physical exertion superimposed on caloric and sleep restriction. *Journal of Applied Physiology*. 100: 120-128.

Schweitzer, Paula, K. PhD, Randazzo, Angela C. PhD, Stone, Kara PhD., Erman, Milton MD, Walsh, James K. PhD. 2006. Laboratory and field studies of naps and caffeine as practical countermeasures for sleep wake problems associated with night work. *SLEEP* 29(1); 39-50.

Signal, T. L., Gale, J., Gander, P.H. 2006. Sleep Measurement in Flight Crew: Comparing Actigraphic and Subjective Estimates to Polysomnography. *Sleep Diagnosis and Therapy*; 1(3) April-May: 25-30.

Sivertsen, B., Omvik, S. O., Havik, O. E., Pallesen, Stale., Bjorvatn, B., Nielsen, G. H., Straume, S., Nordhus, I. H. (2006). A Comparison of Actigraphy and Polysomnography in Older Adults treated for Chronic Primary Insomnia. *SLEEP* Vol 29(10); 1353-1358. (CNT).

Wright, Kenneth P. Jr., Hull, J. T., Hughes, R. J., Ronda, J. M., Czeisler, C.A. (2006) Sleep and Wakefulness Out of Phase with Internal Biological Time Impairs Learning in Humans. *Journal of Cognitive Neuroscience* 18: 508-521.

Wyatt, J. K., Stepanski, E. J., Kirkby, J. (2006). Circadian Phase in Delayed Sleep Phase Syndrome: Predictors and Temporal Stability Across Multiple Assessments. *SLEEP* 29(8); 1075-1080.

2005

Ancoli-Israel, S., Amatniek, J., Ascher, S., Sadik, K., Ramaswamy, K. Effects of Galantamine versus Donepezil on sleep in patients with mild to moderate Alzheimer disease and their caregivers. *Alzheimer Dis Assoc Disord*. 2005; Vol 19, no. 4, Oct-Dec.

Arnedt, J. Todd, Judith Owens, Megan Crouch, Jessica Stahl and Mary A. Carskadon. 2005. Neurobehavioral performance of residents after heavy night call vs after alcohol ingestion. *JAMA* 294:1025-1033.

Burgess, Helen J. and Charmane I. Eastman. 2005. Short nights attenuate light-induced circadian phase advances in humans. *J Clin. Endocrinology & Metabolism* 90(8):4437-4440.

Comella, Cynthia L., Mary Morrissey and Kimberly Janko. 2005. Nocturnal activity with nighttime pergolide in Parkinson disease: A controlled study using actigraphy. *Neurology* 64(8):1450-1451.

Eastman, C. I., J. Gazda, H. J. Burgess, S. J. Crowley, L. F. Fogg. 2005. Advancing circadian rhythms before eastward flight: A strategy to prevent or reduce jet lag. *SLEEP* 28(1):33-44.

Firrincieli V, Keller A, Ehrensberger R, Platts-Mills J, Shufflebarger C, Geldmaker B, Platts-Mills T. 2005. Decreased physical activity among headstart children with a history of wheezing: use of an accelerometer to measure activity. *Pediatric Pulmonology* July;40(1):57-63.

Grap, Mary Jo, Todd Borchers, Cindy L. Munro, R. K. Elswick, Jr. and Curtis N. Sessler. 2005. Actigraphy in the critically ill: Correlation with activity, agitation, and sedation. *Amer. J of Critical Care* 14(1):52-60.

Kawinska, A., Dumont, M., Selmaoui, B., Paquet, J., Carrier, J. (2005) Are modifications of melatonin circadian rhythm in the middle years of life related to habitual patterns of light exposure? *Journal of Biological Rhythms*, 20(5), 451-460.

King, M.A., M.O. Jaffre, E. Morrish, J.M. Shneerson, I.E. Smith. 2005. The validation of a new actigraphy system for the measurement of periodic leg movements in sleep. *Sleep Medicine* 6(4): 1-7.

Kohn, L., and C. A. Espie. 2005. Sensitivity and specificity of measures of the insomnia experience: a comparative study of psychophysiologic insomnia, insomnia associated with mental disorder and good sleepers. *SLEEP* 28(1):104-112.

Kop, Willem J., Angela Lyden, Ali A. Berlin, Kirsten Ambrose, Cara Olsen, Richard H. Gracely, David A. Williams and Daniel J. Clauw. 2005. Ambulatory monitoring of physical activity and symptoms in fibromyalgia and chronic fatigue syndrome. *Arthritis & Rheumatism* 52(1):296-303.

Leonhardt, Steffen. 2005. Personal Healthcare Devices. Chapter 1.5 in Proceedings of the December 2004 Philips Symposium on Hardware Technology Drivers of Ambient Intelligence.

Miller, Nita Lewis, Ph.D, Shattuck, Lawrence, G., Ph.D. 2005. Sleep Patterns of Young Men and Women Enrolled at the United States Military Academy: Results from Year 1 of a 4-Year Longitudinal Study. *SLEEP*. Vol. 28, No. 7. pg. 837.

Mongrain, Valerie, MSc, Carrier, Julie, Ph.D, Dumont, Marie, Ph.D, 2005. Chronotype and Sex Effects on Sleep Architecture and Quantitative Sleep EEG in Healthy Young Adults. *SLEEP*. Vol. 28, No. 7. pg. 819

Penev, Plamen, Karine Spiegel, Teresa Marcinkowski and Eve Van Cauter. 2005. Impact of carbohydrate-rich meals on plasma epinephrine levels: Dysregulation with aging. *J. Clin. Endocrinology & Metabolism* 10.1210/jc.2005-0415

Redeker, N. PhD., Hilkert, R. MD. (2005) Sleep and Quality of Life in Stable Heart Failure. *Journal of Cardiac Failure* 11(9);700-705.

Revell, V., Burgess, H., Gazda, C., Smith, M., Fogg, L., Eastman, C. (2005) Advancing circadian rhythms with afternoon melatonin and morning intermittent bright light. *Journal of Clinical Endocrinology & Metabolism*, 91(1): 54-59.

Rumble ME, Keefe FJ, Edinger JD, Porter LS, Garst JL. 2005. A pilot study investigating the utility of the cognitive-behavioral model of insomnia in early-stage lung cancer patients. *J Pain Symptom Manage*. Aug. 30(2):160-9.

So, K., Buckley, P., Adamson, TM., Horne, RS. 2005. Actigraphy correctly predicts sleep behavior in infants who are younger than six months, when compared with polysomnography. *Pediatr Res Oct*;58(4):761-765.

Winkler, Dietmar, Edda Pjrek, Nicole Praschak-Rieder, Matthaus Willeit, Lukas Pezawas, Anastasios Konstantinidis, Jurgen Stastny and Siegfried Kasper. 2005. Actigraphy in patients with seasonal affective disorder and healthy control subjects treated with light therapy. *Biol. Psychiatry* 58:331-336.

2004

Armitage, R.; Hoffmann, R.; Emslie, G.; Rintelman, J.; Moore, J.; and Lewis, K. 2004. Rest-activity cycles in childhood and adolescent depression. *J. Am. Child Adolesc. Psychiatry*; 43(6):761-769.

Attarian, Hrayr P., K. M. Brown, S. P. Duntley, J. D. Carter and A. H. Cross. 2004. The relationship of sleep disturbances and fatigue in multiple sclerosis. *Arch Neurol* 61(4):525-528.

Benloucif, S., L. Orbeta, R. Ortiz, I. Janssen, S. I. Finkel, J. Bliberg, P. C. Zee. 2004. Morning or evening activity improves neuropsychological performance and subjective sleep quality in older adults. *SLEEP* 27(8):1542-1551.

Benson, K.; Friedman, L.; Noda, A.; Wicks, D.; Wakabayashi, E. and Yesavage, J. 2004. The measurement of sleep by actigraphy: direct comparison of 2 commercially available actigraphs in a nonclinical population. *SLEEP* 27(5):986-9.

Bruck, Dorothy, Sharnie Reid, Jefoon Kouzma & Michelle Ball. 2004. The effectiveness of different alarms in waking sleeping children. In: Proceedings of the 3rd International Symposium on Human Behaviour in Fire.

Burgess, H.J. and Eastman, C.I. 2004. Staying up late phase delays the human circadian clock. *SLEEP* 27:Abstract 148.E, pg. A67.

Cook, K.G., Lichstein, K.L., Donaldson, J., Nau, S.D., Lester, K.W. and Aguillard, R.N. 2004. An exploratory validation of actigraphic measures of insomnia. *SLEEP* 27:Abstract 605.L, pg. A270.

Edinger, J.D.; Means, M.K.; Stechuchak, K.M. and Olsen, M.K. 2004. A pilot study of inexpensive sleep-assessment devices. *Behavioral Sleep Medicine* 2(1):41-49.

Fridel, K.W., Cousins, J.C., McKnight, P.E. and Bootzin, R.R. 2004. A multitrait-multimethod analysis of sleep log and actigraphy assessment in adolescents recovering from substance abuse. *SLEEP* 27:Abstract 831.R, pg. A371.

Gaina, Alexandru, Michikazu Sekine, Xiaoli Chen, Shimako Hamanishi and Sadanobu Kagamimori. 2004. Sleep parameters recorded by Actiwatch® in elementary school children and junior high school adolescents: schooldays vs weekends. *Sleep and Hypnosis* 6(2):65-76.

Gaina, A.; Sekine, M.; Chen, X.; Hamanishi, S.; Kagamimori, S. 2004. Validity of child sleep diary questionnaire among junior high school children. *J Epidemiol.* Jan;14(1):1-4.

George, C.F. and Saxena, A. 2004. Sleepiness and performance in a cohort of medical residents. *SLEEP* 27:Abstract 921.U, pgs. A412-413.

Gossel-Symank, R., Grimmer, I., Korte, J. and Siegmund, R. 2004. Actigraphic monitoring of the activity-rest behavior of preterm and full-term infants at 20 months of age. *Chronobiol Int.* 21(4-5):661-671.

Gronfier, C., Wright, K., Kronauer, R., Jewett, M., Czeisler, C. (2004) Efficacy of a single sequence of intermittent bright light pulses for delaying circadian phases in humans. *ALP-Endocrinology and Metabolism* 287: E174-E181.

Gschliesser, V., Frauscher, B., Kunz, K., Brandauer, E., Ulmer, H., Poewe, W. and Hogl, B. 2004. Actigraphy for PLM detection: A validation study with polysomnography. *SLEEP* 27:Abstract 660.N, pg. A295.

Hoffmann, R., Emslie, G., Thompson, J., Rintelmann, J. and Armitage, R. 2004. The relationship between actigraphy and polysomnography in healthy children and adolescents. *SLEEP* 27:Abstract 816, A365.

Kim, R., Zhang, J., Mayleben, D., Roth, A., Corser, B., Nandy, P., Harris, S. and Perhach, J. 2004. Dose and time dependent discrimination of daytime sleepiness measured by Multiple Sleep Latency Test (MSLT), Psychomotor Performance Tests (PPT), and Stanford Sleepiness Scale (SSS) after a single AM administration of a sedative hypnotic drug. *SLEEP* 27:Abstract 109, pg. A49.

Knutson, K.L., Yan, L.L., Rathouz, P.J., Liu, K. and Lauderdale, D.S. 2004. Comparison of self-reported and objectively-measured sleep duration in a population-based cohort study. *SLEEP* 27:Abstract 890.U, pgs. A398-399.

Korte, J.; Hoehn, T. and Siegmund, R. 2004. Actigraphic recordings of activity-rest rhythms of neonates born by different delivery modes. *Chronobiol Int.* 21(1):95-106.

Lauderdale, D.S., Knutson, K.L., Yan, L.L., Rathouz, P.J. and Liu, K. 2004. Objective sleep duration and latency in a population-based study of middle-aged adults. *SLEEP* 27:Abstract 888.U, pgs. A397-398.

Lee, J.H., R. Friedland, P.J. Whitehouse and J.I. Woo. 2004. Twenty-four-hour rhythms of sleep-wake cycle and temperature in Alzheimer's Disease. *J. of Neuropsychiatry Clin Neurosci* 16:192-198.

Liszka-Hackzell, John J. and David P. Martin. 2004. An analysis of the relationship between activity and pain in chronic and acute low back pain. *Anesth Analg* 99(2):477-481.

Maislin, G., Gooneratne, N., Cater, J.R., Staley, B., Pack, F., Dinges, D.F., and Pack, A.I. 2004. Case control study of insomnia in the elderly. *SLEEP* 27:Abstract 632.L, pgs. A281-282.

Means, M., Edinger, J.D., Stechuchak, K.M. and Olsen, M.K. 2004. Comparison of sleep assessment devices in a mixed sample of sleep disordered patients: An update. *SLEEP* 27:Abstract 798.R, pgs. A357-358.

Miller, N.L., Shattuck, L.G., Miller, D.B., Clarke, J. and Neverosky, D. 2004. Sleep patterns of incoming cadets at the United States Military Academy. *SLEEP* 27:Abstract 351.I, pgs. A160-161.

Millar, A., Espie, C. A., Scott, J. (2004). The sleep of remitted bipolar outpatients: a controlled naturalistic study using actigraphy. *Journal of Affective Disorders*. 80 (2004) 145-153.

Nunes, J., Jean-Louis, G., Zizi, F., Verdecias, R.N., DiPalma, J., Ogera, P. and Singh, M. 2004. Usefulness of the PSQI among community-residing older adults: consideration of ethnic differences. *SLEEP* 27:Abstract 283.H, pgs. A128-129.

O'Reardon, J.P., Ringel, B. L., Dinges, D. F., Allison, K.C., Rogers, N. L., Martino, N. S., Stunkard, A. J., (2004). Circadian Eating and Sleeping Patterns in the Night Eating Syndrome. *Obesity Research*; Vol. 12 No. 11 November 2004: 1789-1796.

Oh, J., Mundey, K., Chang, A., Reid, K. and Zee, P. 2004. Alteration in the interaction between circadian and sleep homeostatic processes in delayed sleep phase syndrome. *SLEEP* 27:Abstract 178.E, pg. A81.

Ohayon, Maurice., Carskadon, Mary., Guilleminault, C., Vitiello, M. (2004). Meta-Analysis of Quantitative Sleep Parameters From Childhood to Old Age in Healthy Individuals: Developing Normative Sleep Values Across the Human Lifespan. *SLEEP* 27(7); 1255-1273.

Orgill, J.C., Bath, J., Ebrahim, I.O., de Lacy, S.F. and Williams, A.J., 2004. The role of actigraphy in the study of sleep and circadian rhythms. *SLEEP* 27:Abstract 802.R, pg. A359.

Owens, J., Sangal, R.B., Allen, A.J., Kelsey, D., Sutton, V. and Schuh, K. 2004. Sleep of children with ADHD compared with healthy controls. *SLEEP* 27:Abstract 198.G, pg. A91.

Oyung, R.L. and Mallis, M.M. 2004. Cockpit light exposure in flight crew spanning 30 days of night flight activity. *SLEEP* 27:Abstract 47.E, pg. A80-81.

Oyung, R.L. and Mallis, M.M. 2004. Differences in the amount of time in bed during layover and at home for domestic and international pilots. *Aviation, Space and Environmental Medicine* 75(4),(Suppl. 2), B128.

Oyung, R.L. and Mallis, M.M. 2004. Differences observed in time in bed during layover and at home for domestic and flag pilots over 40 days of flight activity. 2004. *Aviation, Space and Environmental Med.* 75(4)Sec. II, Abs. # 594.

Puyau, Maurice R., Anne L. Adolph, Firoz A. Vohra, Issa Zakeri and Nancy F. Butte. 2004. Prediction of activity energy expenditure using accelerometers in children. *Med & Sci in Sports & Exercise* 36(9):1625-1631.

Redeker, N.S. and Stein, S. 2004. Sleep patterns of stable heart failure patients compared with healthy controls. *SLEEP* 27:Abstract 749.P, pg. A335.

Rich, G. 2004. Efficacy of airbed sleep system in sleep improvement in a chronic low back pain. *SLEEP* 27:Abstract 757.P, pgs. A338-339.

Rivkees, Scott A., Linda Mayes, Harris Jacobs, and Ian Gross. 2004. Rest-activity patterns of premature infants are regulated by cycled lighting. *Pediatrics* 113(4):833-839.

Scheer, F.A., Van Montfrans, G.A., and Buijs, R.M. 2004. Chronic, but not acute, nighttime melatonin administration improves sleep quality in hypertensive patients. *SLEEP* 27:Abstract 735.P, pg. A329.

So, K., Egodagamage, C., Parslow, P.M., Buckley, P., Adamson, T.M., Horne, R.S.C. 2004. Validation of actigraphy against polysomnography in determining sleep and wake in young infants. Abstract, *European Sleep Res. Soc.*

Szeinberg, A., Shahar, O., Tamir, J. and Dagan, Y. 2004. Melatonin for sleep-wake schedule disorders in young children. *SLEEP* 27:Abstract 211.G, pg. A96.

Tworoger, S.S.; Davis, S.; Emerson, S.S.; Mirick, D.K.; Lentz, M.J. and McTiernan, A. 2004. Effect of a nighttime magnetic field exposure on sleep patterns in young women. *Am. J. of Epidemiology* 160(3):224-229.

Warms, C.A. and Belza, B.L. 2004. Actigraphy as a measure of physical activity for wheelchair users with spinal cord injury. *Nursing Research* 53(2):136-142.

Warms, C.A., Belza, B.L., Whitney, J.D., Mitchell, P.H. and Stiens, S.A. 2004. Lifestyle physical activity for individuals with spinal cord injury: A pilot study. *American J of Health Promotion* 18(4):288-291.

Wee, R. and Van Gelder, R.N. 2004. Sleep disturbances in young subjects with visual dysfunction. *Ophthalmology* Feb;111(2):297-302; discussion 303.

Wilson, S.J.; Rich, A.S.; Rich, N.C.; Potokar, J.; Nutt, D.J. 2004. Evaluation of actigraphy and automated telephoned questionnaires to assess hypnotic effects in insomnia. *Int Clin Psychopharmacol.* Mar;19(2):77-84.

Woo, R.K., Greco, R.S., Wapnir, I.L. and Colrain, I.M. 2004. The effect acute sleep deprivation experienced in a simulated on-call period on surgical performance. *SLEEP Abstract* 365.I, pg. A167.

Zizi, F., Jean-Louis, G., Verdecias, R.N., DiPalma, J., Wolintz, A.H. and Beaugris, K. 2004. Diurnal preference and the phase timings of ambient illumination and rest-activity. *SLEEP* 27:Abstract 155.E, pg. A70.

2003

Alley, L.G., Parker, K.P., Williams, M., de l'Aune, W., Armour, B. and Etchason, J. 2003. Influence of pain and opioid analgesics on nighttime sleep and daytime functioning in medical oncology patients. *SLEEP* 26:Abstract 915.P, pg. A362-A363.

Allison, K.C., O'Reardon, J.P., Rogers, N.L., Ringell, B.L., Dinges, D.F. and Stunkard, A.J. 2003. Actigraphic and sleep diary assessment of sleep in night eating syndrome. *SLEEP* 26:Abstract 0806.M, pg. A321.

Bos, Sandra Carvalho, Jim Waterhouse, Ben Edwards, Ries Simons and Thomas Reilly. 2003. The use of actimetry to assess changes to the rest-activity cycle. *Chronobiology Int* 20(6):1039-1059.

Bruck, D. 2003. The influence of naturalistic diurnal behaviours on sleep in the healthy aged. *SLEEP* 26:Abstract 0409.H, pg. A165.

Burgess, Helen J., Stephanie J. Crowley, Clifford J. Gazda, Louis F. Fogg, and Charmane I. Eastman. 2003. Preflight adjustment to eastward travel: 3 days of advancing sleep with and without morning bright light. *J. Biol. Rhythms* 18(4):318-328.

Burgess, Helen J. and Charmane I. Eastman. 2003. Early versus late bedtimes phase shift the human dim light melatonin rhythm despite a fixed morning lights on time. *Neuroscience Letters* 356:115-118.

Chen, Kong Y., Sari A. Acra, Karen Majchrzak, Candice L. Donahue, Lemont Baker, Linda Clemens, Ming Sun and Maciej S. Buchowski. 2003. Predicting energy expenditure of physical activity using hip- and wrist-worn accelerometers. *Diabetes Technology & Therapeutics* 5(6):1023-1033.

Crabtree, Valeria McLaughlin, Ph.D., Anna Ivanenko, MD, Ph.D. and David Gozal, MD. 2003. Clinical and parental assessment of sleep in children with Attention-Deficit/Hyperactivity Disorder referred to a pediatric sleep medicine center. *Clinical Pediatrics* 42:807-813.

Crowley, Stephanie J., Clara Lee, Christine Y. Tseng, Louis F. Fogg and Charmane I. Eastman. 2003. Combinations of bright light, scheduled dark, sunglasses, and melatonin to facilitate circadian entrainment to night shift work. *J. Biol. Rhythms* 18(6):513-523.

Edell-Gustafsson, U.M., Swahn, E., and Svanborg, E. 2003. Sleep-activity profile and quality of life in patients with stable coronary disease. *SLEEP* 26:Abstract 900.P, pg. A357.

Fridel, K.W., Cousins, J.C. and Bootzin, R.R. 2003. Sleep diary and actigraphy assessment in adolescents recovering from substance abuse. *SLEEP* 26:Abstract 1023.R, pg. A406.

Hull, Joseph T., Kenneth P. Wright, Jr. and Charles A. Czeisler. 2003. The influence of subjective alertness and motivation on human performance independent of circadian and homeostatic regulation. *J. Biol. Rhythms* 18(4):329-338.

Hurlburt, K.W., Simon, Jr., R.D., and Roth, E.M. 2003. Change in PVT alertness levels pre and post MSLT sessions. 2003. *SLEEP* 26:Abstract 987.R, pg. A392.

James, F.O., Komourian, J., Morin, C., and Boivin, D.B. 2003. Correlation of actigraphic measures of sleep quality with nightcap and polysomnography in diurnal sleep of night shift workers. *SLEEP* 26:Abstract 1011.R, pg. A401-A402.

Jean-Louis, G., Kripke, D., Cohen, C., Zizi, F., Harris, A., Wolintz, A.H. and Greenidge, K.C. 2003. Ambient illumination among older Brooklyn residents: influence of ethnicity and eye diagnosis. *SLEEP* 26:Abstract 247.E, pg. A100.

Jean-Louis, G., Kripke, D.F., Cohen, C.H., Zizi, F., Harris, A., Wolintz, A.H., and Greenidge, K.C. 2003. Relationships of ambient illumination to depressed mood: contribution of ophthalmic diseases. *SLEEP* 26:Abstract 388.H, pg. A156.

- Levin, A.A., Baynard, M.D., Rogers, N.L., Dinges, D.F. and Van Dongen, H. 2003. The effect of staying up late on circadian phase: Biomathematical predictions versus experimental findings. *SLEEP* 26, Abstract 267.E, pg. A108.
- Littner, M., Kushida, C. A., Anderson, W. M., Bailey, D., Berry, R. B., Davila, D. G., Hirshkowitz, M., Kopen, S., Kramer, M., Loube, D., Wise, M., Johnson, S. F. (2003). Practice Parameters for the role of Actigraphy in the Study of Sleep and Circadian Rhythms: An Update from 2002. *SLEEP* 26(3):337-341.
- Mallis, M.M., Oyung, R.L. and Reduta, D.D. 2003. Morningness-eveningness preference in commercial aviators. *SLEEP* 26:Abstract 276.E, pg. A112.
- Means, M.K., Edinger, J.D., Stechuchak, K.M., and Olsen, M.K. 2003. Comparison of sleep assessment devices in a mixed sample of sleep disordered patients. *SLEEP* 26:Abstract 1020.R, pg. A405.
- Monk, Timothy H., Ph.D., D.Sc., Daniel J. Buysse, M.D., Kathy S. Kennedy, B.A., Jaime M. Potts, B.S., Jean M. DeGrazia, M.Ed., Jean M. Miewald, B.A. 2003. Measuring sleep habits without using a diary: the sleep timing questionnaire. *SLEEP* 26(2):208-212.
- Morrish, E., King, M.A., Pilsworth, S.N., Shneerson, J.M., and Smith, I.E. 2003. Night-to-night variability of periodic leg movements in a community population. *SLEEP* 26:Abstract 859.N, pg. A341-A342.
- Oyung, R.L. and Mallis, M.M. 2003. Recovery sleep in flight crew spanning 30 days of flight activity. *SLEEP* 26: Abstract 514.I, pg. A207.
- Palmer, Christopher R., Daniel F. Kripke, Henry C. Savage Jr., Larry A. Cindrich, Richard T. Loving and Jeffrey A. Elliott. 2003. Efficacy of enhanced evening light for advanced sleep phase syndrome. *Behavioral Sleep Medicine* 1(4):213-226.
- Rufiange, M., P. Lachapelle and M. Dumont. 2003. Effect of long-term light exposure on retinal and circadian light sensitivity of outdoor and indoor workers. *Chronobio. Int.* 20(6):1159-1160.
- Singer, Clifford, MD, Rochelle E. Tractenberg, Ph.D., MPH, Jeffrey Kaye, MD, Kim Schafer, MS, Anthony Gamst, PhD., Michael Grundman, MD, MPH, Ronald Thomas, PhD, Leon J. Thal, MD. 2003. A multicenter, placebo-controlled trial of melatonin for sleep disturbance in Alzheimer's Disease. *SLEEP*, 26(7):893-901.
- Stanley, N., Emegbo, S., Pedlar, C. Whyte, G. and Hindmarch, I. 2003. Acute normobaric hypoxia and its effects on measures of sleep quality in recreational athletes. *SLEEP* 26:Abstract 0170.B, pg. A70.
- Stanley, Neil. Actigraphy in human psychopharmacology: A review. *Human Psychopharmacol Clin Exp* 2003: 18:39-49.
- Stephane Vinzio, RD, Anne Ruellan, MD, Anne-Elisabeth Perrin, MD, Jean-Louis Schlienger, MD and Bernard Goichot, MD, PhD. 2003. Actigraphic assessment of the circadian rest-activity rhythm in elderly patients hospitalized in an acute care unit. *Psychiatry and Clinical Neurosciences* 57:53-58.
- Valdez, P., Ramirez, C. and Garcia, A. 2003. Adjustment of the sleep-wake cycle to small (1-2 h) changes in schedule. *Biological Rhythm Res* 34(2):145-155.
- Verdecias, R.N., Jean-Louis, G., Zizi, F., DiPalma, J., Magai, C., Mendlowicz, M., Casimir, G., Stewart, A., and Wolintz, A. 2003. Relationships between attachment styles and sleep patterns. *SLEEP* 26:Abstract 1070.U, pg. A425.
- ## 2002
- Alley, L.G., Parker, K.P., de l'Aune, W., Vena, C., Armour, B. and Etchason, J. 2002. Impact of pain and opioids on sleep in medical oncology patients. *SLEEP*, in press.
- Ayalon, Liat, Haggai Hermesh and Yaron Dagan. 2002. Case study of circadian rhythm sleep disorder following haloperidol treatment: Reversal by risperidone and melatonin. *Chronobiology Int.* 19(5):947-959.
- Caliyurt, O., James, F.O. and Boivin, D.B. 2002. Characterization of a non-24-hour sleep-wake syndrome after traumatic brain injury. *SLEEP* 25:Abstract 249.E, pg.A189.
- Finn, K. J. and Specker, B. 2002. Factors associated with physical activity in preschool children. *J. of Pediatrics* 140(1):81-85.

Freeman, J. L., Risser, M.R., Ware, J.C., Ball, J.D., Urbano, M., Lagasca, J.M., Paul, A., Fishback, N., Morewitz, C. and Asarias, J.A. 2002. The effects of modafinil on simulated driving performance in ADHD subjects compared to controls. *SLEEP*, in press.

Johnson, William B., Steven Hall and Jean Watson. 2002. The current picture of rest among aviation maintenance technicians in airline environments. Oral presentation, 16th Human Factors in Aviation Maintenance Symposium, San Francisco, CA.

Keene, E.M., B.C. Nindl, S.J. Montain, J.W. Castellani, C.D. Leone, P. N. Frykman and J.F. Patton. 2002. Upper and lower body anaerobic performance during 72 hours of military operational stress. *Med Sci in Sports and Exercise*, Abstract # 1460, Am. Coll of Sports Med

Kawada T, Kuroiwa M, Sasazawa Y, Suzuki S, Tamura Y. Sleep time monitoring by accelerometer in two subjects for 1 year. *J Sound Vib* 2002; 250: 75-82.

Laffan, A.M. and Duffy, J.F. 2002. Light exposure patterns in healthy young and older adults. *SLEEP* 25:Abstract 422.E, A307-308.

LeBourgeois, MK., Acebo, C., Seifer, R., Carskadon, MA. (2002). Comparing Estimates of Adolescent Sleep and Wake from two Activity Monitoring Systems. *SLEEP* 25;Abstract. A273-A274.

Liszka-Hackzell, J.J. and Martin, D.P. 2002. Categorization and analysis of pain and activity in patients with low back pain using a neural network technique. *J. of Medical Systems* 26(4):337-347.

Lukas, Scott E., Michael E. Stull, Michael C. Tracy, Ronald L. Cowan. 2002. Polydrug abuse patterns with MDMA (Ecstasy) among young adults. The College on Problems of Drug Dependence, 64th Annual Scientific Meeting, Quebec City.

Martin, Stacia K. and Charmane I. Eastman. 2002. Sleep logs of young adults with self-selected sleep times predict the dim light melatonin onset. *Chronobio Int* 19(4):695-707.

Means, M.K., Edinger, J.D. and Husain, A.M. 2002. Comparison of home and laboratory actigraphy in young adults with and without primary insomnia. *SLEEP* 25:Abstract 333.L, A245-246.

Morrish, Emma, Martin A. King, Samantha N. Pilsworth, John M. Shneerson and Ian E. Smith. 2002. Periodic limb movement in a community population detected by a new actigraphy technique. *Sleep Medicine* 3:489-495.

Nindl, B.C., S.J. Montain, J.W. Castellani, C.D. Leone, M.D. Ward, A.J. Young, A. Diamandi, and M.J. Khosravi. 2002. Non-ternary Igf-I and Igfbp-3 molecular complexes during prolonged work and caloric restriction. *Med Sci in Sports and Exercise*, Abstract #1549, Am Coll of Sports Med.

Nishihara, Kyoko, S. Horiuchi, H. Eto and S. Uchida. 2002. The development of infants' circadian rest-activity rhythm and mothers' rhythm. *Physiol & Behavior* 77:91-98.

Orbeta, L.I., Ortiz, R.J., Boudjenah, D., Benloucif, S., Goldman, N. and Zee, P.C. 2002. Assessment of the phase shifting ability of a portable light delivery device. *SLEEP* 25:Abstract 728.R.

Pandorf, C.E., Nindl, B.C., Leone, C.D., Castellani, J.W., Tharion, W.J. and Montain, S.J. 2002. Physical performance responses to 72 hours of prolonged work, sleep deprivation and caloric restriction. *Med and Sci in Sports and Exercise*, Abstract #1094, Am Coll of Sports Med.

Purnell, M.T., A. M. Feyer and G.P. Herbison. 2002. The impact of a nap opportunity during the night shift on the performance and alertness of 12-h shift workers. *J. Sleep Research* 11:219-227.

Puyau, M.R., A.L. Adolph, F.A. Vohra and N.F. Butte. 2002. Validation and calibration of physical activity monitors in children. *Obesity Research* 10:150-157.

Rodriguez, D.M., Oyung, R.L., Barger, L. K., Mallis, M.M. and Jewett, M.E. 2002. Flight deck light exposure of pilots during long-haul trips between the United States and Japan. *SLEEP* 25:Abstract 594.E, pgs. A420-421.

Tharion, W.J., S.J. Montain, C.D. Leone and J.W. Castellani. 2002. A new test of self-paced work sensitive to the effects of prolonged work and sleep deprivation. In: Proceedings of the Human Factors Society 46th Annual Meeting.

Wakamura, T., Miyajima A., Hashimoto K. and Minamiguchi Y. 2002. Influence of jet lag on adaptation to new time zone interpreted from Jet Lag questionnaires. 6th Int. Congress of Physiol Anthropol, Abs. #29.

Warms, C.A. & Belza, B.B. 2002. Feasibility of actigraphy for monitoring physical activity for people with SCI. Communicating Nursing Research Conference Proceedings, Western Institute of Nursing abstracts, 35(10):291.

Werth, Esther, Ph.D., Egemen Savaskan, M.D., Vera Knoblauch, M.Sc., Paola Fontana Gasio, M.A., Eus J.W. van Someren, Ph.D., Christoph Hock, M.D. and Anna Wirz-Justice, Ph.D. 2002. Decline in long-term circadian rest-activity cycle organization in a patient with dementia. *J Geriatr Psychiatry Neurol* 15:55-59.

2001

Alley, L.G., Parker, K.P., and de l'Aune, W. 2001. Nighttime sleep, daytime sleepiness, and pain in medical oncology patients. *Oncology Nursing Forum* 24 (Abstract supplement), A383.

Ayalon, L., L. Dishon and Y. Dagan. 2001. Circadian rhythm sleep disorders following minor head trauma. *Chronobiology Int.* 18(6):

Brown, E.L., L. K. Barger, C.D. May and M.E. Jewett. 2001. A transformation function can equate readings of wrist-worn light measuring devices to those of handheld light monitors. *SLEEP*, Vol. 24 Supplement, Abstract #166.R, pg. A102.

Brown, E.L., M.E. Jewett and L.K. Barger. 2001. Evaluating light recordings at the wrist-level: A prerequisite study for future shuttle-based investigations. *SLEEP*, Vol. 24 Supplement, Abstract #701.R, pg. A395.

Castellani, J.W., D.A. Stulz, L.A. Blanchard, B.S. Cadarette, B.C. Nindl and S.J. Montain. 2001. 84 hours of exertional fatigue, caloric deficit, and sleep deprivation impairs shivering during cold air exposure in men. *FASEB Journal* 15:A94.

Colling, E., J. Mastick, L. Schmedlen, G. Dowling, J. Carter, C. Singer and E. DeJongh. 2001. Wrist actigraphy as a method of sleep detection in Parkinson's disease. *SLEEP*, Vol. 24 Supplement, Abstract #733.R, pg. A413.

Finn, K.J., Finn, K.K. and Flack, T. 2001. Validation of Actiwatch activity monitor in children. 2001. *Medicine and Science in Sport and Exercise* 33(5-Suppl.), S250.

Gander, P.H., J.M. Fielden, B.M. Lewer and J.G. Horne. 2001. Effects of total hip replacement on subjective and actigraphic measures of sleep. *SLEEP*, Vol. 24 Supplement, Abstract #673.P, pg. A380.

Harrison, Tara Lynn. 2001. Characterizing childhood bipolar disorder: Do alterations in activity level identify mood states? NIH Research Festival 2001, Abstract NB – 14 Neurobiology.

Hughes, R.J., H. Van Dongen, D.F. Dinges, N. Rogers, K.P. Wright, Jr., D.F. Edgar and C.A. Czeisler. 2001. Modafinil improves alertness and performance during simulated night work. *SLEEP*, Vol. 24 Supplement, Abstract #336.E, pg. A200.

James, Regina S., M.D., Wendy S. Sharp, M.S.W., Theresa M. Bastain, A.B., Patti P. Lee, M.A., James M. Walter, M.A., Mark Czarnolewski, Ph.D., and F. Xavier Castellanos, M.D. 2001. Double-blind, placebo-controlled study of single-dose amphetamine formulations in ADHD. *J. Am. Acad. Child Adolesc. Psychiatry*. 40:11, pg. 1268 – 1276.

Janko, Kimberly A., Cynthia L. Comella, Mary Morrissey. 2001. Two measures of nocturnal sleep in Parkinson's Disease: Correlation of actigraph measures and the Pittsburgh Sleep Quality Index. Abstract #P01.006, Amer. Acad. Of Neurology.

Johnson, R.F., D.J. Merullo, S.J. Montain and J.W. Castellani. 2001. Marksmanship during simulated sustained operations. In: Proceedings of the Human Factors and Ergonomics Society Annual Meeting 45:1382-1385.

Jones, R.W. and Howcroft, D.J. 2001. The potential of modafinil in improving sleep-activity profiles of patients with dementia. *Int. Psychogeriatrics*, 13(2):Abstract 163S.

Kawada, T., P. Xin, M. Kuroiwa, Y. Sasazawa and S. Suzuki. 2001. Habituation of sleep to road traffic noise as determined by polysomnography and an accelerometer. *J. Sound and Vibration* 242(1):169-178.

Korte, J., T. Hoehn, A. Loui, R. Siegmund. 2001. Activity-rest rhythms of neonates born by different delivery modes. *Chronobio. Int.* 18(6):1143-1144.

Korte, Janou, Katharina Wulff, Claudia Oppe, and Renate Siegmund. 2001. Ultradian and circadian activity-rest rhythms of preterm neonates compared to full-term neonates using actigraphic monitoring. *Chronobiology Int.* 18(4):697-708.

Kushida, Clete A., Arthur Chang, Chirag Gadkary, Christian Guilleminault, Oscar Carrillo and William C. Dement. 2001. Comparison of actigraphic, polysomnographic, and subjective assessment of sleep parameters in sleep-disordered patients. *Sleep Medicine* 2:389-396.

Lotjonen, J.M., I. Korhonen, K. Hirvonen, M. Rekola, M. Myllymaki and M. Partinen. 2001. Sleep/wake detection using an active security device. *SLEEP*, Vol. 24 Supplement, Abstract #708.R, pg. A399.

Mander, B.A., Colecchia, E., Spiegel, K. and Van Cauter, E. Y. 2001. A risk factor for insulin resistance and obesity. *SLEEP* 24:Abstract A74.

Mander, B.A., Colecchia, E., Spiegel, K. and Van Cauter, E. Y. 2001. Short sleep: A risk factor for insulin resistance and obesity. *Diabetes* 50, Abstract Supplement 2: A45

Morrish, E., S.N. Pilsworth, M.A. King, J.M. Shneerson, and I.E. Smith. 2001. Periodic leg movements in the United Kingdom general population: Relationship to age and sex. *SLEEP*, Vol. 24 Supplement, Abstract #632.N, pg. A359.

Nishihara, K., S. Horiuchi, H. Eto and S. Uchida. 2001. The development of infants' circadian sleep-wake rhythm and their mothers' circadian rhythm using actigraphy monitoring. *Chronobio Int. Abstracts* 18(6):1170-1171.

Pilsworth, S.N., M.A. King, J.M. Shneerson, and I.E. Smith. 2001. A comparison between measurements of sleep efficiency and sleep latency measured by polysomnography and wrist actigraphy. *SLEEP*, Vol. 24 Supplement, Abstract #171.R, pg. A106.

Sack, R.L., M.L. Pires, R.W. Brandes and E. deJongh. 2001. Actigraphic detection of periodic leg movements; A validation study. *SLEEP*, Vol. 24 Supplement, Abstract #719.R, pg. A405.

Sarna, Linda and Francisco Conde. 2001. Physical activity and fatigue during radiation therapy: A pilot study using actigraph monitors. *Research Briefs* 28(6):1043-1046.

Signal, L. and P.H. Gander. 2001. The effects of a rapidly rotating shift pattern on the sleep of air traffic controllers. *SLEEP*, Vol. 24 Supplement, Abstract #314.E, pg. A187.

Specker, B., Johannsen, N., Binkley, T. and Finn, K. J. 2001. Total body bone mineral and tibial cortical bone measures in preschool children. *J. of Bone and Mineral Research* 6(12):2298-2305.

Straub, William F., Michael P. Spino, Medhat M. Alattar, Bruce Pfleger, John W. Downes, Marco A. Belizaire, Olli J. Heinonen, and Tommi Vasankari. 2001. The effect of chiropractic care on jet lag of Finnish junior elite athletes. *J. Manipulative and Physiol. Therapeutics* 24(3):113772.

Wakamura, Tomoko and Hiromi Tokura. 2001. Influence of bright light during daytime on sleep parameters in hospitalized elderly patients. *J. Physiol Anthropol* 20(6):345-351.

Warms, C.A. 2001. Methodological considerations for selecting a motion sensor. Communicating Nursing Research Conference Proceedings, Western Institute of Nursing abstracts 34(9):90.

2000

Lafleur, K. (2000). Will adequate sedation assessment include the use of actigraphy in the future? *American Journal of Critical Care*, 14(1), 61-63.

Bartlett, D., L. Johnson, A. Williams, D. Joffe, N. Carter and R.R. Grunstein. 2000. Urban traffic Noise in Sydney: the effects on sleep and performance. *SLEEP* 23:Suppl. Abstract # 1875K3, p:A48.

Bruck, D. and Bliss, R.A. 2000. Sleeping children and smoke alarms. In: Yamade, T., ed., Proceedings of the Fourth Asia-Oceania Symposium on Fire Safety and Technology, Asia-Oceania Association for Fire & Technology, Tokyo, pg. 602-613.

Buxton, Orfeu M., Mireille L'Hermite-Baleriaux, Fred W. Turek, and Eve Van Cauter. 2000. Daytime naps in darkness phase shift the human circadian rhythms of melatonin and thyrotropin secretion. *Am. J. Physiol. Reg. Integrative Comp. Physiol.* 278:R373-R382.

Colecchia, E.F., Spiegel, K., Kim, R., Mander, B., Sannar, E. and Van Cauter, E. 2000. Impact of short sleep duration on sleepiness, performance, mood, and glucose metabolism. 2000. *Sleep* 23, Abstract Supplement 2:A253.

- Colling, E., M. Wright, K. Schafer, C. Singer, J. Kaye and L. Thal. 2000. A large multi-center trial for the treatment of sleep disturbances in persons with Alzheimer's Disease: A progress report. *SLEEP*, Vol. 23 Supplement, Abstract #1628.L, pg. A340.
- Colling, E., M. Wright, S. Lahr, L. Schmedlen, L. DeJongh, C. Singer and R. Sack. 2000. A comparison of wrist actigraphy with polysomnography as an instrument of sleep detection in elderly persons. *SLEEP*, Vol. 23 Supplement, Abstract #1354.N, pg. A378.
- Finn, K. J. and B. Specker. 2000. Comparison of Actiwatch activity monitor and Children's Activity Rating Scale in children. *Med. and Sci. in Sports and Exercise* 32(10):1794-1797.
- Friedman, L., Benson, K., Noda, K., Zarcone, V., Wicks, D.A., O'Connell, K. (2000), An actigraphic comparison of sleep restriction and sleep hygiene treatments for insomnia in older adults. *Journal of Geriatric Psychiatry Neurol.* 13(1): 17-27.
- Hanowski, R.J., Wierwille, W.W., Garness, S.A., and Dingus, T.A. 2000. Impact of local/short haul operations on driver fatigue, final report. Report No. DOT-MC-00-203. Washington, DC: U.S. Dept. of Transportation, Federal Motor Carriers Safety Administration.
- Kennedy, G., Bruck, D., Cooper, A. and Apel, S. 1999. Nocturnal sleep behaviour and motor activity in narcoleptic and control subjects in the home and laboratory environments. *Sleep Research Online* 2, Suppl. 1:258.
- Liszka-Hackzell, J.J. and Martin, D.P. 2000. Analysis of the relationship between activity and pain in chronic and acute low back pain. *Anesthesiology* 93:Abstract A857.
- Liszka-Hackzell, J.J. and Martin, D.P. 2000. Categorization and analysis of pain and activity levels in patients with back pain using an artificial intelligence technique. *Anesthesiology* 93:Abstract A381.
- Martin, S.K. & Eastman, C.I. 2000. When is your DLMO? *SLEEP* 23:A179.
- Motohashi, Yutaka, Akira Maeda, Hideki Wakamatsu, Shigekazu Higuchi and Takao Yuasa. 2000. Circadian rhythm abnormalities of wrist activity of institutionalized dependent elderly persons with dementia. *J. Gerontology: Medical Sciences* 55A(12):M740-M743.
- Nishihara, Kyoko, Shigeko Horiuchi, Hiromi Eto and Sunao Uchida. 2000. Mothers' wakefulness at night in the post-partum period is related to their infants' circadian sleep-wake rhythm. *Psych. and Clin. Neurosciences* 54:305-306.
- Reyner, L.A. 2000. Individual differences in sensitivity to aircraft noise during sleep. *SLEEP* Vol. 23 Supplement, Abstract # 1490.I, p.A54.
- Rose, M.W., J.C. Ware, P. Kolm and M.R. Risser. 2000. Residual effects of call in sleep and mood in medical residents. *SLEEP* Vol. 23 Supplement, Abstract #1469J, p. A253.
- Stanley, N., M.C. Dorling, J. Dawson and I. Hindmarch. 2000. The accuracy of Mini-Motionlogger and Actiwatch in the identification of sleep as compared to Sleep EEG. *SLEEP*, Vol. 23 Supplement, Abstract #1536N, pg. A386.
- VanSomeren, E.J., J.D. Speelman and R. Schuurman. 2000. Long-term continuous assessment of tremor with the Actiwatch. *Movement Disorders* 15(Suppl 3), Abstract # P461, p.78.
- Werth, E., V. Knoblauch, E. Savaskan, P. Fontana Gasio, A. Wirz-Justice, C. Hock and F. Muller-Spahn. 2000. Long-term changes in circadian rest-activity cycle organization in two patients with Alzheimer's Disease. *SLEEP*, Vol. 23 Supplement, Abstract #1419.H, pg. A217.
- Wright, M.R., E. Colling, J. Mastick, L. DeJongh, L. Schmedlen, J. Carter, G. Dowling and C. Singer. 2000. Wrist actigraphy as a method of sleep detection in persons with Parkinson's Disease. *SLEEP* Vol. 23 Supplement, Abstract #1681L, p. A341.
- 1999**
- Bruck, D. 1999. Non-awakening in children in response to a smoke detector alarm. *Fire Safety Journal* 32:369-376.
- Bruck, D., Kennedy, G., Cooper, A. and Apel, S. 1999. Daytime assessment of motor activity, mood and sleep behaviour in narcolepsy (with and without stimulants). *Sleep Research Online*, www.sro.org, 2, Suppl. 1:334.
- Chang, Arthur, Clete Kushida, Luciana Palombini, Oscar Carrillo, Jeff Hindman, Seung Hong, Pamela Hyde, and Christian Guilleminault. 1999. Comparison study of actigraphic polysomnographic, and subjective perception of sleep parameters. *SLEEP*, Vol. 22, Supplement, Abstract #H071.N, pg. S43.

Finn, K. and B. Specker. 1999. Comparison of actiwatch sensors and CARS on assessment of physical activity in children. *Amer. Col. Sports Med* 31(5):Suppl. S316

Kennedy, G., Bruck, D., Cooper, A. and Apel, S. 1999. Nocturnal sleep behaviour and motor activity in narcoleptic and control subjects in the home and laboratory environments. *Sleep Research Online*, www.sro.org, 2(suppl 1), 258.

Laidlaw, Anita and Jonathan L. Rees. 1999. A pilot study in to the use of actigraphs to assay itch. *J. Dermatol* 140:806.

Siegmund, Renate, Korte Janou, and Katharina Wulff. 1999. Activity monitoring in newborn infants. Abstract #65, *Int. Congress on Chronobiology*.

Taliaferro, Donna H., and Holly Dileo. 1999. Hormonal and temperature circadianicity in Aids. Abstract #119, *Int. Congress on Chronobiology*.

Wakamura, Tomoko, Hiromi Tokura, Mayumi Hashimoto, Hatsuko Hamamura, Mariko Tokuyama, Hiroko Inada, and Kikuko Sakaki. 1999. Influence of bright light during daytime on sleep parameters with elderly patients in hospital. Abstract #104, *Int. Congress on Chronobiology*.

Waterhouse, Jim, Ben Edwards, Julie Mugarza, Richard Flemming, David Minors, Davina Calbraith, Gareth Williams, Greg Atkinson and Thomas Reilly. 1999. Purification of masked temperature data from humans: Some preliminary observations on a comparison of the use of an activity diary, wrist actimetry, and heart rate monitoring. *Chronobiology Int.* 16(4):461-475.

Werth, Esther, Egemen Savaskan, Paola Fontana Gasio, Anna Wirz-Justice, Christoph Hock, Eus Van Someren and Hedwig Kaiser. 1999. Rest-activity cycle and light exposure of hospitalized Alzheimer's patients. *SLEEP*, Vol. 22 Supplement, Abstract #H432.H, pg. S265.

Wilson, Graeme E., Simone F. de Lacy and Adrian J. Williams. 1999. Use of actigraphy in establishing the primary complaint in the assessment of patients with insomnia. *SLEEP*, Vol. 22 Supplement, Abstract #C338.K3, pg. S206.

Wulff, Katharina, and Renate Siegmund. 1999. Pregnancy and the newborn child – influence on the parental activity timing behaviour. Abstract #109, *Int. Congress on Chronobiology*.

1998

El Baz, M., M. A. Quera-Salva, N. R. Oakley, M. Lecendreux and P. Gajdos. 1998. Evaluation of Actiwatch actimeter vs polysomnography in 29 patients with obstructive sleep apnea syndrome. *J. Sleep Res.* 7, Suppl. 2, Abstract #149, p.75.

Randazzo, Angela C., Paula K. Schweitzer, and James K. Walsh. Cognitive function following acute sleep restriction in children ages 10-14 1998. *SLEEP*, Vol. 21 Supplement, Abstract #225.G, pg 249.

Scheett, T.P., A. Eliakim, K. R. Richards, N. Almondinger, and D. M. Cooper. 1998. Effects of endurance training on total energy expenditure (TEE) and ankle accelerometry (AA) in pre-pubertal girls. *FASEB J.* 21(4):1: Exp.Bio. Abstract, #1921.

Schnierow, Bradley J., E. Jonathan Lisansky and Clifford Qualls. 1998. Nocturnal temperature in healthy elderly: correlation to melatonin secretion and sleep behavior. *SLEEP*, 21:Suppl, Abstract 079.E.

Zhdanova, Irina V., Judy A. Taylor, Ojingwa U. Leclair and Richard J. Wurtman. 1998. Effects of melatonin on blood pressure in people over 50 years old. *SLEEP*, Vol. 21 Supplement, Abstract #071.E, pg. 213.

Zhdanova, Irina V. and Richard J. Wurtman. 1998. Efficacy of melatonin as a sleep-promoting agent. *J. Biol. Rhythms* 12(6):644-650.

1997

Babin, L., S. Lee, S. Halko, A.C. Boudreau, C.F.P. George. 1997. Determining sleep-wake activity using Actiwatch®. *SLEEP* Vol 20 Supplement, Abstract #355, pg. 178.

Oakley, Nigel R., Validation with Polysomnography of the Sleepwatch Sleep/Wake Scoring Algorithm used by the Actiwatch Activity Monitoring System. 1996. Cambridge Neurotechnology.

Zhdanova, Irina V. and Richard J. Wurtman. 1997. Efficacy of melatonin as a sleep-promoting agent. *J. Biol. Rhythms*, 12(6), 644-650.