

## CURRICULUM VITAE

### **Martin B. Scharf, Ph.D.**

Cleveland Sleep Research Center  
18100 Jefferson Park Road, Suite 101  
Middleburg Heights, OH 44130

#### CURRENT POSITION:

2013-Present R&D Consultant      Cleveland Sleep Research Center  
18100 Jefferson Park Road, Suite 101  
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#### EDUCATION:

|      |           |  |
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| 1968 | B.A.      | University of California Los Angeles<br>Los Angeles, California                          |
| 1979 | Ph. D     | Department of Pharmacology<br>The Pennsylvania State University<br>Hershey, Pennsylvania |
| 1982 | Diplomate | Clinical Polysomnography,<br>Association of Sleep Disorders Center                       |

#### APPOINTMENTS:

|           |                              |   |
|-----------|------------------------------|---|
| 1983-2012 |                              | Tri-State Sleep Disorders Center (formerly<br>Sleep Disorders Center of Mercy Hospital)<br>Center for Research in Sleep Disorders<br>Cincinnati, OH |
| 1999-2013 | Clinical Professor           | Department of Psychiatry<br>Wright State University. School of Medicine,<br>Dayton, Ohio  |
| 1999-2000 | Director                     | Scharf Institute for Sleep Research<br>Rochester, NY 14618  |
| 1985-1988 | Director                     | Sleep Wake Disorders Center<br>Neurosciences Institute, Miami Valley<br>Hospital, Dayton, OH  |
| 1984-1995 | Clinical Associate Professor | Department of Otolaryngology and Maxillofacial Surgery,<br>University of Cincinnati Medical Center<br>Cincinnati, OH                                |

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| 1984-1995                     | Clinical Associate Professor<br>Department of Psychiatry,<br>University of Cincinnati Med. Center, Cincinnati, OH  |
| 1983-1984                     | Associate Professor<br>Department of Psychiatry,<br>University of Cincinnati Medical Center,<br>Cincinnati, OH   |
| 1982-1983 Director            | Sleep Disorders Center, Univ. of Cincinnati<br>Medical Center, Cincinnati, OH  |
| 1981-1983 Assistant Professor | Department of Psychiatry,<br>University of Cincinnati Medical Center,<br>Cincinnati, OH  |
| 1981-1982 Assistant Director  | Sleep Disorders Center,<br>University of Cincinnati Medical Center,<br>Cincinnati, OH  |
| 1979-1981 Assistant Professor | Department of Psychiatry<br>Milton S. Hershey Medical Center,<br>Pennsylvania State University, Hershey, PA  |
| 1975-1981 Associate Director  | Psychopharmacology Laboratory,<br>Department of Psychiatry,<br>Pennsylvania State University, School of Medicine,<br>Milton S. Hershey Medical Center, Hershey, PA |
| 1966-1981 Associate Director  | Sleep Research and Treatment Center<br>Milton S. Hershey Medical Center, Hershey, PA   |

#### PROFESSIONAL SOCIETIES:

Sleep Research Society (SRS)  
 American Sleep Disorders Association (ASDA)  
 American Society of Pharmacology and Experimental Therapeutics

## **PUBLICATIONS:**

1. Kales, A. and Scharf, M.B.: "Sleep physiology and behavior in psychiatric conditions," Westwood Hospital Bulletin 5:1-4, 1968.
2. Kales, A., Heuser, G., Kales, J.D., Rickles, W. H. Jr., Rubin, R.T., Scharf, M.B., Ungerleider, J.T., Winters, W.D. Drug dependency. Investigations of stimulants and depressants. Ann. Intern. Med., Mar.70(3):591-614, 1969.
3. Kales, A., Malmstrom, E.J., Scharf, M.B. and Rubin, R.T.: "Sleep disturbances following sedative use and withdrawal," In: Sleep: Physiology and Pathology edited by A. Kales, J.P. Lippincott Co., Philadelphia, 1969, pp. 331-343.
4. Kales, A. Scharf, M.B., Allen, C. Effective of sleep medications: All night studies of hypnotic drugs. Electroencephalogr. Clin. Neurophysiol. Sep;27(7):710-1. 1969.
5. Kales, A., Tan, T.L., Kollar, E.J., Naitoh, P., Malmstrom, E.J. and Scharf, M.B.: "Sleep patterns following 205 hours of sleep deprivation," Psychosomatic Med. 32:189-200, 1969.
6. Kales, A., Kales, J.D., Sly, R.M., Scharf, M.B., Tan, T.L. and Preston, T.A.: "Sleep patterns of asthmatic children: All-night EEG studies," J.Allergy 46:300- 308, 1970.
7. Kales, A., Kales, J.D., Scharf, M.B. and Tan, T.L.: "Hypnotics and altered sleep and dream patterns: II. All-night EEG studies of chloral hydrate, flurazepam and methaqualone," Arch.Gen. Psychiat. 23:219-225, 1970.
8. Kales, A., Allen, W.C., Jr., Scharf, M.B. and Kales, J.D.: "Hypnotic drugs and their effectiveness: All-night EEG studies of insomniac subjects," Arch.Gen.Psychiat. 23:226-232, 1970.
9. Kales, A., Ansel, R.D., Markham, C.H., Scharf, M.B. and Tan, T.L.: "Sleep in patients with Parkinson's Disease and normal subjects prior to and following levodopa administration," Clin. Pharm. Therap. 12:397-406, 1971.
10. Kales, A., Bixler, E.O., Broughton, R., Dement, W., Fisher, C., Karacan, I. Monroe, L., and Scharf, M.B.: "The evaluation and treatment of sleep disorders: Pharmacological and psychological studies," In: Chase, M. (Ed.), The Sleeping Brain 1:447-491, 1972.
11. Deamer, R.M., Scharf, M.B. and Kales, A.: "Sleep patterns in the coronary care unit," U.S. Navy Med. 59:19-23, 1972.
12. Kales, A. and Scharf, M.B.: "Sleep laboratory and clinical studies of the effects of benzodiazepines on sleep: Flurazepam, diazepam, chlordiazepoxide, and RO-5-4200," In: The Benzodiazepines, S. Garattini and A. Leonardi (Eds.). The Raven Press, New York, 1973, pp 557-598.
13. Bixler, E.O., Scharf, M.B. and Kales, A.: "Drugs and sleep: Effects of drugs on sleep stages, mood and performance and effectiveness of drugs in inducing and maintaining sleep," In: Drugs, Sleep and Performance, S. Lewis (Ed.), NATO Publications, 1973.
14. Zarcone, V., Kales, A., Scharf, M.B., Tan, T.L. and Simmons, J.Q.: "Repeated oral ingestion of 5-hydroxytryptophan," Arch. Gen. Psych. 28(6):843-846, 1973.
15. Kales, A., Scharf, M.B. and Tan, T.L.: "Methodology and clinical application of sleep laboratory-drug evaluation studies," In: The proceedings of the Fifth International Congress on Pharmacology (Vol.4), F. Bloom (Ed.), S. Karger, Basel, 108-123, 1973.
16. Kales, A., Bixler, E.O., Tan, T.L., Scharf, M.B. and Kales, J.: "Chronic hypnotic use: Ineffectiveness, drug withdrawal insomnia, and hypnotic drug dependence," J.A.M.A. 227:513-517, 1974.
17. Jacob, S.T., Scharf, M.B. and Vesell, E.S.: "Role of RNA in induction of hepatic microsomal mixed function oxidases," Proc. Nat. Acad. Sci. 71:704-707, 1974.
18. Scharf, M.B., Bixler, E.O. and Kales, A.: "Readaptation to the sleep laboratory in insomnia subjects," Psychophysiology 12:69-73, 1975.
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20. Bixler, E., Scharf, M., Leo, L. and Kales, A: "Hypnotic drugs and performance: A review of theoretical and methodological considerations," In: Hypnotics: Methods of Development and Evaluation, Kagan, F.,

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  25. Bixler, E., Santen, R., Kales, A., Soldatos, C. and Scharf, M.: "Inverse effects of thioridazine (Mellaril) on serum prolactin and testosterone concentration in normal men," In: *The Testis in Normal and Infertile Men*, Truen, P. and Nankin, H. (Eds.), Raven Press, N.Y. pp 403-406, 1977.
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  46. Scharf, M.B., Brown, D., Woods, M., Brown, L. and Hirschowitz, J.: The effects and effectiveness of gammahydroxybutyrate in patients with narcolepsy. *J. Clin. Psychiatry* 46:222-225, 1985.

47. Scharf, M.B., Denson, D.D., Thompson, G.A., and Goff, P.: Carryover hypnotic effectiveness of Diazepam withdrawal. *Current Therapeutic Research* 37:309-317, 1985.
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49. Scharf, M.B., and Brown, L.: Hypnotic Drugs: Use and Abuse. *Clinical Psychol. Rev.* 6:39-50, 1986
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55. Scharf, M.B.: "Waking Up Dry", Writers Digest, Cincinnati, Ohio, 1986.
56. Scharf, M.B., Kaffeman, M., Rodgers, L., et al. Single Dose Tolerance Study of Zolpidem: Preliminary Report. Proc of the International Symposium Imidazopyridines in Sleep Disorders" Paris, Oct. 1986.
57. Scharf, M.B., Saskin, P.: Benzodiazepine Induced Amnesia-Clinical and Laboratory Findings. *J Clin Psychiat*, 5(1):14-17, 1987.
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61. Scharf, M.B., Cohen, L.J.: Sleep Disorders Medicine in the Hospital Pharmacy. *US Pharmacist*, January, 1988.
62. Scharf, M.B., Fletcher, K., Graham, J.P.: Comparative Amnestic Effects of Benzodiazepine Hypnotic Compounds. *J. Clin. Psych*, 49(4): 134-137, 1988.
63. Scharf, M.B., Barr, S.: Craving Carbohydrates A Possible Sign of Overtraining. *Annals of Sports Medicine*, 4: 19-20, 1988.
64. Scharf, M.B., Fletcher, K., Jennings, S.W.: Current Pharmacologic Management of Narcolepsy. *American Family Physician*, 38(1): 143-148, 1988.
65. Scharf, M.B., Jennings, S.W., Graham, J.: Clinical Differences Among Benzodiazepine Compounds: Implications for Therapeutic Substitution. *US Pharmacist*, Pgs. 1 - 12, December, 1988.
66. Scharf, M.B., Jennings, S.W.: Childhood Enuresis: Relationship to Sleep, Etiology, Evaluation, and treatment. *Annals of Behavioral Medicine*, 10(3): 113-120, 1988.
67. Scharf, M.B., Mayleben, D.W.: Comparative Effects of Prazosin and Hydrochlorothiazide on Sexual Function in Hypertensive Men. *American Journal of Medicine*, 86:110-112, 1989.
68. Scharf, M.B., Fletcher, K.A. GHB--new hope for narcoleptics? *Biol. Psychiatry*. Aug;26(4):329-30, 1989.
69. Scharf, M.B., Sachais, B.A., Mayleben, D.W., Jennings, S.W.: The Effects of a Calcium Channel Blocker on the Effects of Temazepam and Triazolam. *Current Therapeutic Res.*, 48:516-523, 1990.
70. Scharf, M.B., Jennings, S.W.: Sleep Disorders. In: *Verwoerd's Clinical Geropsychiatry*, David Bienenfeld, (ED.), Williams and Wilkins, Baltimore, MD. 178-194, 1990.
71. Scharf, M.B., Mayleben, D.W., Fletcher, K.A., Jennings, S.W.: A Polysomnographic Comparison of Temazepam 15 and 30 mg. with Triazolam 0.25 mg. in Chronic Insomnia Subjects. *Current Therapeutic Res.*, 48:555-567, 1990.
72. Scharf, M.B.: Sleep in Affective Disorders. *Drug Therapy*, 52:57, 1990.
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74. Scharf, M.B.: Sleep and affective modulation. *Topics in Psychiatry*, 1:4-5, 1990.
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  79. Scharf, M.B., Mayleben, D.W., Fletcher, K.A., Shu, V.S. Pierce, M.W.: Effect of Single Doses of Estazolem and Triazolam on Memory Function in Adult Insomniacs. Today's Therapeutic trends. 8:1991.
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