

8/27/17

**GUNNAR HEUSER, M.D., Ph.D., F.A.C.P., F.A.C.F.E., B.C.F.E.
CURRICULUM VITAE**

CITIZENSHIP: American, January 15, 1965 Cert. #: 8759974

DEGREES, DIPLOMAS and CERTIFICATES:

B.A. (equivalent) University of Heidelberg, August 20, 1946

M.D. University of Cologne, February 11, 1952

Ph.D. University of Montreal, May 30, 1957

Experimental Medicine and Surgery

Fellow, American College of Physicians (FACP), 1969.

Fellow, American Clinical Neurophysiology Society, 1982

Fellow, American College of Forensic Examiners (FACFE), 1995

Diplomate (Internal Medicine) McGill University, 1959

Diplomate, American Board of Forensic Examiners, 1995.

Diplomate, American Board of Forensic Medicine, 1996.

Licentiate of the Medical Council of Canada, November 27, 1958

ECFMC (no. 4532) April 4, 1961

Licensed to practice medicine in California (A-20853), 1963

Board Certified, American Board of Forensic Examiners, 1995

RESEARCH POSITIONS:

Research Assistant, Institute of Experimental Medicine and Surgery
University of Montreal, 1952 – 1955

Research Associate, Institute of Experimental Medicine and Surgery
University of Montreal, 1955 – 1956

Junior Research Anatomist, Department of Anatomy
U.C.L.A., 1959 – 1961

Assistant Research Anatomist, Department of Anatomy
U.C.L.A., 1962 – 1970

Member, Brain Research Institute, UCLA, 1966 – 1970

CLINICAL POSITIONS:

Junior Intern (rotating), Royal Victoria Hospital (affiliated with
 Mc Gill University), Montreal, 1956 –1957
 Junior Assistant Resident, Department of Medicine,
 Royal Victoria Hospital, Montreal 1957 – 1958
 Assistant Resident, Department of Medicine
 Royal Victoria Hospital, Montreal, 1958 – 1959
 Resident, Department of Medicine
 Harbor General Hospital, Torrance, California, 1961 – 1962
 Resident, Department of Medicine
 Mount Sinai Hospital, Los Angeles, California, 1962 – 1963
 Assistant Professor of Medicine (Endocrinology) in Residence
 U.C.L.A., Los Angeles, California, 1964 – 1970
 Clinical Neurophysiologist, Clinical Neurophysiology Program
 Brain Research and Neuropsychiatric Institutes,
 U.C.L.A., Los Angeles, California, 1967 – 1970
 Clinical Attending Physician
 Pain Management Center
 U.C.L.A., Los Angeles, California, 1982 – 1985
 Assistant Clinical Professor of Medicine, U.C.L.A.
 School of Medicine, U.C.L.A.,
 Los Angeles, California, 1970 – 2011

HOSPITAL AFFILIATIONS:

Department of Medicine, U.C.L.A.
 Assistant Clinical Professor of Medicine
 Los Angeles, California
 Cedars–Sinai Medical Center
 Medical Staff Member (Emeritus)
 Los Angeles, California
 Jewish Home for the Aged
 Consultant (Neurology) (until 1977)
 Reseda, California
 Westlake Medical Center
 Medical Staff Member (Consultant) (until 1996)
 Westlake, California
 Los Robles Regional Medical Center
 Medical Staff Member (until 1977)
 Thousand Oaks, California

Santa Monica Medical Center
 Consulting Staff Member (until 1976)
 Santa Monica, California

St. John's Hospital and Health Center
 Medical Staff Member (until 1977)
 Santa Monica, California

Woodview Calabasas Neuropsychiatric Hospital
 Staff Member (Internal Medicine) (until 1977)
 Calabasas, California

Century City Hospital
 Medical Staff Member (until 1976)
 Century City, California

Veterans Administration Hospital, Long Beach, California
 Physician, Consultant in Clinical Neurophysiology (until 1970)

SOCIETY MEMBERSHIPS (Past and Present):

American Medical Association (AMA)
 American College of Physicians (ACP) (Fellow)
 American Board and College of Forensic Examiners
 American Physiological Society
 New York Academy of Sciences
 American Academy of Clinical Neurophysiology
 American Clinical Neurophysiology Society (Fellow)
 Society for Psychophysiological Research
 Los Angeles Society of Neurology and Psychiatry, Inc.
 (until January 1986)
 Southern California Head Injury Foundation, Member, Board of
 Directors (until 1990)
 Society for Occupational and Environmental Health
 California Epilepsy Society, Member, Board of Directors (until 1985)
 American Association for the Study of Headaches and National
 Headache Foundation American Pain Society, Charter Member
 American Academy for Auricular Medicine and Scientific
 Acupuncture (until 1992)
 American Association for Chronic Fatigue Syndrome
 Endocrine Society
 American Association of Clinical Endocrinologists
 International Society of Psychoneuroendocrinology (until 1978)

International Society for the Advancement of Respiratory
 Psychophysiology
 National Association of Physicians for the Environment
 International Society of Occupational Medicine and Toxicology
 Undersea and Hyperbaric Medical Society

PUBLICATIONS:

BOOKS

1. Selye, H. and Heuser, G. Annual Report of Stress. Acta, Inc. Medical Publishers: Montreal. 1954
2. Selye, H. and Heuser, G. Annual Report of Stress. Acta, Inc. Medical Publishers: Montreal. 1955–56.
3. Brambilla, F.; Bridges, P.K.; Endroczi, E. and Heuser, G. Perspectives in Endocrine Psychobiology. Akademiai Kiado: Budapest. 1978

PAPERS

1. Heuser, G. Stress and Entzündung. Die Medizinische, No. 1, p. 13. 1954.
2. Selye, H. and Heuser, G. Experimental Studies Concerning the Role of Hormonal, Vascular and Nervous Factors in the Regulation of the "Anaphylactoid" Reaction of the Rat. Int. Arch. Allergy, 5:52. 1954.
3. Hoene, H.; Rindani, T. and Heuser, G. Influence of Somatotrophic Hormone and Hydrocortisone Acetate on the Production of Hemolytic Antibodies in the Rat. American Journal of Physiology, 177:19. 1954.
4. Heuser, G. & Dufour, D. Experimental Studies on the Development of Inflammation after Interference with the Blood Supply. Acta Neurovegetativa, 10:259. 1954.
5. Heuser, G. Experimental Anesthesia and Convulsions with Steroids. Revue Canad. de Biologie, 17:229. 1958.

6. Heuser, G. and Eidelberg, G. Steroid Induced Convulsions in Experimental Animals. *Endocrinology*, 69:916. 1961.

7. Buchwald, N.A.; Wyers, E.J.; Okoma, T. and Heuser, G. The "Caudate Spindle." I. Electrophysiological Properties. *EEG Clin. Neurophysiol.*, 13:509. 1961.

8. Heuser, G.; Buchwald, N.A. and Wyers, E.J. The "Caudate Spindle:" II. Facilitatory and Caudate–Cortical Pathways. *EEG Clin. Neurophysiol.*, 13:519. 1961.

9. Buchwald, N.A.; Heuser, G; Wyers, E.J. and Lauprecht, C.W. The "Caudate Spindle:" III. Inhibition of the "Caudate Spindle" by High Frequency Stimulation of Subcortical Structures. *EEG Clin. Neurophysiol.*, 13:515. 1961.

10. Buchwald, N.A.; Wyers, E.J.; Lauprecht, C.W. and Heuser, G. The "Caudate Spindle:" IV. A Behavioral Index of Caudate–Induced Inhibition. *EEG Clin. Neurophysiol.*, 13:531. 1961.

11. Buchwald, N.A. ; Rakic, L; Wyers, E.J.; Hull, C. and Heuser, G. Integration of Visual Impulses and the "Caudate Loop." *Exper. Neurol.*, 5:1. 1962.

12. Heuser, G.; Ling, G.M. and Buchwald, N.A. Sedation or Seizures as Dose–dependent Effects of Steroids. *Arch. Neurol.*, 13:1095. 1965.

13. Heuser, G. Effects of Steroids on Inhibitory Activity Within the Central Nervous System. In: *Anesthesiology and the Nervous System*. J.B. Dillon and C.M. Ballinger, eds. University of Utah Press, Utah. 1966.

14. Heuser, G; Ling, G.M. and Kluver, M. Sleep Induction by Progesterone in the Pre–optic Area in Cats. *EEG Clinical Neurophysiology*, 22:122. 1967.

15. Heuser, G. Induction of Anesthesia, Seizures and Sleep by Steroid Hormones. *Anesthesiology*, 28:173. 1967.

16. Kales, A; Heuser, G.; Jacobson, A.; Kales, J.D.; Zweizig, J.R. and Paulson, M.G. All Night Sleep Studies in Hypothyroid Patients, Before and After Treatment. *Journal of Clinical Endocrinology and Metabolism*, 27:1593. 1967.

17. Heuser, G. Sleep-wakefulness Patterns and Hormones. A Study of Behavioral, Electroencephalographic and Extracellular "Multiple Unit" Activities. In: Endocrine Aspects of Disease Processes, G. Jasmin, ed. Warren H. Green, Inc., St. Louis MO, p. 160. 1968.

18. Heuser, G. Hormones and Sleep. In: Clinical Aspects of Recent Sleep-Dream Research, A. Kales, ed. Annals of Internal Medicine, 68:1078. 1968.

19. Adams, D.A.; Rand, R.W.; Roth, N.; Dashe, A.M. Heuser, G.; Hanley, J. and Parker, M. Cryoablation of the Pituitary in the Treatment of Progressive Diabetic Retinopathy. Diabetes, 17:634-640. Oct. 1968.

20. Heuser, G; Rand, R.W.; Carr, E.M. and Kiredjian, G.M. Extracellular Unit Recording from the Thalamus in Chronically Implanted Patients with Movement Disorders. Bulletin Los Angeles Neurological Society, 34:56. 1969.

21. Rand, R.W.; Heuser, G.; Dashe, A.M. and Adams, D.A. Stereotaxic Transsphenoidal Biopsy and Cryosurgery of Pituitary Tumors. Am. J. Roentgenol., Radiation Therapy and Nuclear Medicine, 105:273-286. 1969.

22. Roth, N.G.; Rand, R.W.; Adams, D.A.; Heuser, G.; Dashe, A.M.; Hanley, J. and Gold, J. Cryohypophysectomy and Diabetic Retinopathy. Symposium on the Treatment of Diabetic Retinopathy, M.F. Goldberg and S. Fine, ed. U.S. Dept. HEW publication. No. 1890. 1969.

23. Heuser, G. Therapeutic Recommendations for the Clinical use of CNS-active Drugs. In: Drug Dependency: Clinical Investigations of Stimulants and Depressants, A. Kales, ed. Annals Internal Medicine, 70:609-611. 1969.

24. Heuser, G., ed., Clinical Neurophysiology: Newer Diagnostic and Therapeutic Methods in Neurological Disease and Behavior Disorders. Annals Internal Medicine, 71:619-645. 1969.

25. Heuser, G. New Approaches to Old Problems in Neurology and Psychiatry. Annals Internal Medicine, 71:640-644. 1969.

26. Heuser, G.; Batzdorf, U.; Bentson, J.R.; Blank, N.; Dashe, A.M.; Hepler, R.S.; Rand, R.W.; Roth, N.H.; Rubenstein, M.K.; Schecter, J. and Simmer, H.H. Trends in Clinical Neuroendocrinology. *Annals Internal Medicine*, 73:783–807. 1970.

27. Heuser, G. Discussion: Steroid Hormones and Brain Function. U.C.L.A. Forum in Medical Sciences, No. 15. University of California Press Berkeley. Los Angeles, London, pp. 351–353. 1971.

28. Wilson, C.B.; Rand, R. W.; Grollmus, J. M.; Heuser, G.; Levin, S; Goldfield E.; Schneider, V.; Linfoot, J. and Hosobuchi, Y. Surgical Experience with a Microscopic Transsphenoidal Approach to Pituitary Tumors and Non- neoplastic Parasellar Conditions. *California Medicine*, 117:1–9. 1972.

29. Rand, R.W. and Heuser, G. and Adams, D.A. Stereotaxic Cryohypophysectomy: Ten Years Experience with Pituitary Tumors. *Excerpta Medica*, Amsterdam International Congress series No. 303. Proceedings of a Conference, Bethesda, Md, Jan. 15–17. 1973.

30. Rand, R.W. and Heuser, G. Treatment of Acromegaly by Cryohypophysectomy. *Recent Progress in Neurological Surgery*. *Excerpta Medica*, Amsterdam, pp. 92–97, International Congress series No. 320. Fifth International Congress of Neurological Surgery, Tokyo, October 7–14. 1974.

31. Adams, D.A.; Rand, R.W.; Roth, N.H.; Dashe, A.; Gipstein, R. M. and Heuser, G. Hypophysectomy in Diabetic Retinopathy: The Relationship Between the Degree of Pituitary Ablation and Successful Ocular Response. *Diabetes*, 23:398–407. 1974.

32. Rand, R.W.; Heuser, G. and Adams, D.A. Ten Years Experience with Stereotaxic Cryohypophysectomy. *Progress Neurological Surgery*, 6:252–271. 1975.

33. Heuser, G. and Rand, R.W. Pituitary Tumors, Pathophysiology and Treatment. In: *Perspectives in Endocrine Psychobiology*, pp. 503–523; Brambilla, F., et al, eds. *Academiai Kiado*, Budapest. 1978.

34. Levor, R.; Cohen, M.; Naliboff, B. and Heuser, G. Psychosocial Precursors and Correlates of Migraine Headache. *Journal of Consulting and Clinical Psychology*, 54:347–353. 1986.

35. Thrasher, J.D.; Wojdani, A.; Cheung, G.P. and Heuser, G. Indoor Pollution: A Public-Health and Legal Perspective. California Trial Lawyers Association Forum, Vol. XVI; 8:296. 1986.

36. Thrasher, J.D.; Wojdani, A.; Cheung, G. and Heuser, G. Evidence for Formaldehyde Antibodies and Altered Cellular Immunity in Subjects Exposed to Formaldehyde in Mobile Homes. A Brief Communication. Archives of Environmental Health, 42:347-350. Nov/Dec. 1987.

37. Heuser, G. The Neuro-Immuno-Endocrine Pathology of Toxic Chemical Exposure. Oriental Healing Arts International Bulletin, 13:101-104. 1988.

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40. Heuser, G. Editorial: Diagnostic Markers in Clinical Immunotoxicology and Neurotoxicology. Internatl. J. Occup. Med. Tox., 1: V to X. 1992.

41. Heuser, G. Indoor Air Pollution. A Medical-Legal Analysis. In: Legal Neurology and Malingering. Warren F. Gorman, M.D., Editor. Warren H. Green, Inc.. St. Louis, Mo. 310-326, 1993.

42. Heuser, G; Mena, I; Alamos, F. NeuroSPECT Findings in Patients Exposed to Neurotoxic Chemicals. Toxicology and Indust. Hlth., 10:4/5. 561-571. 1994.

43. Heuser, G; Vojdani, A. Enhancement of Natural Killer Cell Activity and T and B Cell Function by Buffered Vitamin C in Patients exposed to Toxic Chemicals: The role of Protein Kinase - C. 1997. Immunopharmacology and Immunotoxicology, 19 (3):291-312, 1997.

44. Barnard R. J.; Heuser, G. The Estrogen-like Effect of Herbicides: A Case Report. Clin. Pediatrics, 37:633-634, 1998.

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46. Heuser, G. Multi-System Impairment after Toxic Chemical Injury: A Diagnostic Clinical Protocol. *Umweltbelastungen und Gesundheit*. Tagung der SPD-Bundestagsfraktion (8/26/98) Bundeshaus, Bonn, pp 70–76, 1998.

47. Heuser, G. "Funktionelle Gehirn-Bildgebung mit SPECT und PET. Veränderte Gehirnaktivitäten nach neurotoxischer Exposition." *Zeitschrift für Umweltmedizin*, 7:12–15, 1999.

48. Bartha, L.; et al. Multiple Chemical Sensitivity: A 1999 Consensus. *Arch. Environ Hlth*, 54:147–149, 1999.

49. Heuser, G. Diagnostik nach toxischer Verletzung. *Zeitschrift für Umweltmedizin*. 8:284 – 285, 2000.

50. Heuser, G., Axelrod, P., Heuser, S.: Defining Chemical Injury: A Diagnostic Protocol and Profile of Chemically Injured Civilians, Industrial Workers and Gulf War Veterans. *International Perspectives in Public Health*. 20 www.iicph.org/ipph.htm

51. Heuser, G., Wu, J.C. Deep Subcortical (incl. limbic) Hypermetabolism in Patients with Chemical Intolerance. *Human PET Studies*. *Annals of the New York Academy of Sciences*, 933:319–322, 2001.

52. Heuser, G., Heuser, S., Rodelander, D., Aguilera, O., Uszler, M. Treatment of Neurologically Impaired Adults and Children with "Mild" Hyperbaric Oxygen (1.3 ATA and 24% Oxygen). In: *Hyperbaric Oxygenation for Cerebral Palsy and the Brain-Injured Child*. The proceedings of the 2nd International Symposium. (James T. Joiner, Ed.), Best Publishing Co., Flagstaff, AZ 109–115, 2002.

53. Thrasher, J. D., Heuser, G., Broughton, A. Immunological Abnormalities in Humans Chronically Exposed to Chlorpyrifos. *Archives of Environmental Health*. 57:181–187. 2002.

54. Heuser, G., Aguilera, O., Heuser, S., Reeves, J., Rogowski, C. Hyperbaric Oxygen Treatment in a Portable Chamber Improves Attention Span and Reaction Time in Patients with Acquired ADD. The proceedings of the XIV International Congress on Hyperbaric Medicine, (James T. Joiner, Ed.) Best Publishing Co. Flagstaff AZ 273–282 2002.

55. Vojdani, A. Thrasher, J.D., Madison, R.A., Gray, M.R., Heuser, G., Campbell, A.W. Antibodies to Molds and Satratoxin in Individuals Exposed in Water Damaged Buildings. Archives of Environmental Health. 58:421–432. 2003.

56. Heuser, G., Aguilera, O., Heuser, S., Gordon, R. Clinical Evaluation of Flight Attendants after Exposure to Fumes in Cabin Air. The Journal of Occupational Health and Safety (Australia and New Zealand) 21 (5) 455–459. October 2005.

57. Heuser, G. Clinical Neurotoxicology. In: Umwelt, Macht und Medizin. (A. Fabig and K. Otte Editors). Winfried Jenior Publishers, Kassel, Germany pp 166–169, 2007.

58. Heuser, G. Neuroimaging After Carbon Monoxide Exposure. In: Carbon Monoxide Poisoning (David G. Penney, Editor). Taylor and Francis, Publishers Chapter 20, 447–454, 2007.

59. Ezra, N, Dang, K, Heuser, G. Improvement of Attention Span and Reaction Time with Hyperbaric Oxygen Treatment in Patients with Toxic Injury Due to Mold Exposure. Eur J Clin Microbiol Infect Dis. Published online October 27, 2010. 2011, Vol. 30, Number 1, pgs.1–6

60. Davis, D., de Salles, A., Heuser, G., et. al. Erroneous Comments Submitted to the FCC on Proposed Cellphone Radiation Standards and Testing by CTIA – The Wireless Association, September 3, 2013. Submitted to the FCC on November 18, 2013.

ABSTRACTS:

1. Heuser, G. Stress in Disease. 60th Annual Session of The Academy, Chicago, IL. October 1955. Tr. Am. Academy Ophthalm–Otolaryng, p. 151, March–April, 1955.

2. Heuser, G. and Selye, H. Conditioning for Anesthesia with Cortisol Hemisuccinate Sodium. 38th meeting of the Endocrine Society, June 1956. *Journal Clinical Endocrinology*, 61:952. 1956.
3. Heuser, G.; Buchwald, N.A. and Wyers, E.J. Inhibition of Caudate Induced "Spindling" by Stimulation of Thalamic and Basal Ganglionic Structures. 14th American EEG Society meeting. 1960.
4. Buchwald, N.A.; Wyers, E.J. and Heuser, G. Relation of the Caudate Nucleus to an Inhibitory Feedback Mechanism. 14th American EEG Society meeting. 1960.
5. Buchwald, N.A.; Wyers, E.J.; Lauprecht, C.W. and Heuser, G. An Electrical Indication of Behavioral Inhibition. AAA meeting, *Anat. Rec.*, 139-212. March 1961.
6. Heuser, G. and Eidelberg, E. Convulsions Induced by a Steroid Hormone in Cats. *West. Pharm. Soc. Proc.*, 4:67. 1961.
7. Heuser, G.; Buchwald, N.A. and Wyers, E.J. EEG Responses to Stimulation of the Isolated Caudate Nucleus. 15th American EEG Society meeting, June 1961.
8. Buchwald, N.A.; Wyers, E.J.; Heuser, G. and Hull, C. Simultaneous Facilitation of Visual System Evoked Responses and Blocking of "Caudate-Spindles." 15th American EEG Society meeting, June 1961.
9. Buchwald, N.A.; Heuser, G.; Hull, C. and Wyers, E.J. Blocking of "Caudate-Spindles" by Stimulation of Lateral Geniculate Body. *Fed. Proc.*, 20:327. 1961.
10. Heuser, G.; Solomon, D.H. and Gold, E.M. Hypothalamic Tumor with Cushing's Syndrome. 46th meeting of the Endocrine Society, San Francisco, June 1964.
11. Heuser, G.; Ling, G.M. and Pauley, S.M. Steroid effects on Sleep-Seizure Mechanisms. *EEG Clinical Neurophysiology*, 18:516. 1965.
12. Heuser, G.; Endroczi, E. and Koelling, R. Extinction of Avoidance-conditioned Behavior by ACTH or Cortisol. *The Physiologist*, 8:192. 1965.

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14. Rand, R.W.; Solomon, D.H.; Dashe, A.M. and Heuser, G. Cryohypophysectomy in Acromegaly. *Tr. Am. Neurological Association*, 91:324. 1966.

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16. Heuser, G.; Kales, A.; Jacobson, A.; Paulson, M.; Zweizig, J.R.; Walter, R.D. nad Kales, J.D. Sleep Patterns in Hypothyroid Patients. *The Physiologist*, 9:203. 1966.

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18. Adams, D.; Rand, R.; Roth, N.; Heuser, G.; Dashe, A. and Parker, M. Cryohypophysectomy for Treatment of Diabetic Retinopathy. *Clin. Res.*, 15:122. 1967.

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20. Heuser, G.; Kales, A. and Jacobson, A. Human Sleep Patterns after Progesterone Administration. *Psychophysiology*, 4:378. 1968.

21. Kales, A.; Heuser, G.; Jacobson, A.; Kales, J.D.; Zweizig, J. R. and Hanley, J. Changing Sleep Patterns in Hypothyroidism. *Psychophysiology*, 4:392. 1968.

22. Heuser, G.; Herz, H.J. and Kiredjian, G.M. Single and Multiple Unit Recording in Chronically Implanted Cats During Alertness and Sleep. Western Conf. Exper. Physiol. and Western Conf. Neurophysiol. Brain Res., Lake Tahoe, CA. Feb. 1968.

23. Heuser, G. Single and Multiple Units and EEG. Western Psychol. Assoc. meeting, San Diego, CA. March 1968.

24. Heuser, G. Diagnosis and Therapy of Pituitary Disorders. Medical Staff News, St. John's Hospital, Santa Monica, CA. October 1971.

25. Adams, D.A.; Gipstein, R.M.; Rand, R.W.; Roth, N.A.; Dashe, A. M. and Heuser, G. Positive Correlation Between the Degree of Growth Hormone (GH) Ablation and Improvement of Diabetic Retinopathy (DR) after Hypophysectomy. Clinical Research. 1972.

26. Heuser, G. Endocrine Factors in Human Sexual Inadequacy. 15th Annual meeting. The Society for the Scientific Study of Sex, Palm Springs, CA. November 1972.

27. Heuser, G. Evaluation and Treatment of Headache. 79th Annual meeting American Soc. Ophthalmology & Otolaryngology, Dallas, TX. October 1974. (by invitation).

28. Heuser, G. Evaluation and Treatment of Headache. 80th Annual meeting American Soc. Ophthalmology & Otolaryngology, Dallas, TX. September 1975. (by invitation).

29. Heuser, G. Evaluation and Treatment of Headache. 81st Annual meeting American Soc. Ophthalmology & Otolaryngology, Las Vegas NV. October 1976. (by invitation).

30. Heuser, G. Evaluation and Treatment of Headache. 83rd annual meeting American Soc. Ophthalmology & Otolaryngology, Las Vegas, NV, September 1978. (by invitation)

31. Hanley, J.; Stear, E.; Heuser, G. and Zweizig, J.R. Wendy: A Longitudinal Case Study by Means of a Computer-aid. An Example of Possible Brain Injury and Aggressive Behavior (violence); Second World Conference of Mathematics at the Service of Man, Las Palmas (Canary Islands), Spain. June 28-July 3, 1982.

32. Cohen, M.; Levor, R.; Schandler, S.; Naliboff, B. and Heuser, G. Vasomotor and Muscle Activity of the Head and Neck in Migraine and Control Subjects During Induced Stress. American Association for the Study of Headache. Hotel Meridien, San Francisco, CA. June 23-24. 1984.

33. Levor, R.; Cohen, M.; Naliboff, B.; McArthur, D. and Heuser, G. Psychological Precursors of Migraine and Related Personality Factors. American Association for the Study of Headache. Hotel Meridien, San Francisco, CA. June 23–24. 1984.
34. Heuser, G. Muscular Involvement in Migraine Headache. *Physician and Patient*. Vol. 111 No. 11, p. 55, Nov/Dec 1984.
35. Heuser, G. Photic Stimulation in Migraine Patients: The Induction of Alternating Asymmetry. *Proceedings of The Second International Headache Congress*, p. 468. Copenhagen, Denmark. June 18–21. 1985.
36. Heuser, G. and Heuser, S. A Potential Human Model for Muscle Tension. *Proceedings of the Second International Headache Congress*, p. 78. Copenhagen, Denmark. June 18–21. 1985.
37. Heuser, G. and Heuser, S. Menstrual Headaches: Evaluation and Treatment. *2nd International Congress of Chinese Medicine*, Los Angeles, CA. June 26–28. 1985.
38. Cheung, G.; Heuser, G.; Raxlen, B. and Wojdani, A. Concomitant Increase of Delayed Onset Food Hypersensitivity with Acute Candidiasis. *American Academy of Otolaryngic Allergy*. Dallas, TX. 1985.
39. Gard, Z.; Heuser, G. Re: Multiple Sclerosis, Solvents and Pets. *Letter to the Editor*. *Arch. Neurol.* 47:128. February 1990.
40. Heuser, G. and Jacobs, B. Assessment of Blood Brain Barrier After Toxic Exposure. *NeuroToxicology*. 11:147. 1990.
41. Heuser, G.; Wojdani, A. and Heuser, S. Candida Antigen as a Possible Neurotoxin. *NeuroToxicology*. 11:152. 1990.
42. Heuser, G.; Seizures and Pseudo–Seizures Following Chemical Exposure in Children and Adults. *NeuroToxicology*. 11:154. 1990.
43. Heuser, G.: Diagnostic Markers in Multiple Chemical Sensitivity. *120th Annual Meeting, Am. Public Hlth. Assoc.* Washington, D.C. p. 88. November. 8–12. 1992.

44. Heuser, G.: Chemical Exposure as a Cause of Chronic Fatigue. Fourth Annual Conference on Medical Neurobiology of Chronic Fatigue Syndrome and Fibromyalgia, Los Angeles, California, May 7–9, 1993.

45. Heuser, G.: Multiple Chemical Sensitivity: Limbic–olfactory system imaging (SPECT & MRI) and rhinological studies. 121st Annual Meeting, American Public Hlth. Assoc., San Francisco, Ca. October 24–28, 1993.

46. Heuser, G.; Mena, I.; Goldstein, J.; Thomas, C.; and Alamos, F.: Neurospect Findings in Patients (PTS) Exposed to Neurotoxic Chemicals. Clin. Nuclear Med. 18: 923. 1993.

47. Heuser, G.; Mena, I.; Thomas, C.; and Alamos, F.: Cerebral Blood Flow in Patients (PTS) Exposed to Neurotoxic Chemicals. J. Nuclear Med. 35:5. p. 210. 1994.

48. Heuser, G.; and Vojdani, A.; Decreased immune (natural killer cell and mitogenesis) function after toxic chemical exposure and its restoration by vitamin C. IFCC/Arnold O. Beckman European Conference on Environmental Toxicology (Biomarkers). Cannes, France. June 1–3, 1995.

49. Barnard, R.; and Heuser, G.; Commonly Used Pesticides May Help Maintain Facilities But Can Hinder Athletes. Sports Sciences News Letter. Fall, 1995.

50. Heuser, G. and Vojdani, A.: Natural Killer (NK) Cell Function After Chemical Exposure. 124th Annual Meeting, American Public Hlth. Assoc., NY, NY. November 17–21, 1996.

51. Heuser, G. and Kent, P.: Mast Cell Disorder After Chemical Exposure. 124th Annual Meeting, American Public Hlth. Assoc., NY, NY. November 17–21, 1996.

52. Heuser, G: Sperm Morphology and Toxic Exposure. ACTA Conference, Coff's Harbour, Australia. August 9–11, 1996. (Presentation by invitation).

53. Heuser, G. and Vojdani, A.: Reversal of Low NK Activity, T and B Cell Function in CFS Patients Using Ultrapotent–C. American Assoc. for Chronic Fatigue Syndrome San Francisco, Ca. October 13–16, 1996.

54. Heuser, G. and Marik, J.: Abnormal Sperm Morphology In Man After Chemical Exposure. American Physiological Society, Vancouver, Canada. October 16–19, 1996. The Physiologist 39: pA83, 1996.

55. Barnard, R. and Heuser, G.: Estrogen–Like Effects of Pesticide In A Track Athlete. A Case Report. American Physiological Society, Vancouver, Canada. October 16– 19, 1996. The Physiologist 39: pA83, 1996.

56. Heuser, G., Aguilera, O., Heuser, S., Peyton, L.: Reactive Laryngeal Dysfunction Syndrome (RLDS) With Vocal Cord Dysfunction And Shortness of Breath After Toxic Chemical Exposure. 4th Annual Meeting of the International Society for the Advancement of Respiratory Psychophysiology, October 13–15, 1997, Cape Cod, Massachusetts. Biological Psychology 48: 86–87, 1998.

57. Heuser, G.: Medical Evaluation of Chemical Injury. Presentation (by invitation) at the Second Annual National Conference of the National Gulf War Resource Center, Atlanta, GA, 11/8/97.

58. Heuser, G.: Chemical Injury and Chemical Sensitivity, a Diagnostic Protocol, Karolinksa Institute, Stockholm, Sweden, December 5, 1997 (by invitation).

59. Heuser, G.: Chemische Verletzungen und das Gehirn. Conference on: Umweltbelastungen und Gesundheit. Bundestag (German Government), Bonn, Germany, 8/26/98 (by invitation).

60. Heuser, G.: Ein diagnostisches Protocol fur die Diagnose von Chemikalienvergiftungen. University of Stuttgart, Germany, 8/27/98 (by invitation).

61. Heuser, G.: Immunotoxische und neurotoxische Erkrankungen. Ein Überblick. Meeting of the Association of German Physicians (Wurttemberg), Stuttgart, Germany, 8/28/98 (by invitation).

62. Heuser, G.: SPECT, PET und MRT nach neurotoxischer Chemikalienvergiftung. 2. Deutschsprachiger Kongress fur praktische Umweltmedizin. Hamburg, Germany, 10/16 – 18/98 (by invitation).

63. Heuser, G., Wu, J.C.: Subcortical Hypermetabolism and Cortical Hypometabolism After Neurotoxic Exposure. Human PET Studies. 7th

International Symposium on Neurobehavioral Methods and Effects in Occupational and Environmental Health. Stockholm, Sweden, June 20–23, 1999. *Neuro Toxicology* 21: 910, 2000.

64. Heuser, G.: Functional Brain Scanning with SPECT after Neurotoxic Exposure. *Revista Medicina Nuclear ALASBIMN J. #4*, July 1999.

65. Heuser, G., Wu, J.C.: Limbic Hypermetabolism in Patients with Chemical Intolerance. *Human PET Studies*. New York Academy of Sciences Conference on “The Role of Neural Plasticity in Chemical Intolerance.” Rockefeller University, N.Y. June 16–19. 2000.

66. Heuser, G.: Letter to the Editor regarding “Mass Psychogenic Illness Attributed to Toxic Exposure at a High School.” *New England J. Med.* 342:1674, 2000.

67. Heuser, G.: Letter to the Editor regarding “Mast Cell Disorder to be Ruled Out in MCS.” *Arch. Environ Hlth.* 55:284–285 July/August 2000.

68. Heuser, G., Heuser, S., Aguilera, O., Rodeland, D., Amoun, K. Hyperbaric Oxygen (HBO) Treatment for Impaired Brain Function. 8th International Congress on Anti-Aging and Biomedical Technology, Las Vegas, NV. December 15–17, 2000.

69. G. Heuser Le bilan de santé du patient atteint de maladies écogéniques in *Symposium sur la polysensibilité chimique, Délibérations*, 16–17 mai 2001, Aylmer, Québec (Sponsored by Department of National Defence, Canada).

70. Heuser, G., Uszler, M.: Hyperbaric oxygenation for cerebral palsy. (correspondence). *The Lancet.* 357:2053–2054. June 23, 2001.

71. Heuser, G., Aguilera, O., Heuser, S., Reeves, J., Rogowski, C. Mild Hyperbaric Oxygen Therapy (mHBOT) Improves Attention Span and Reaction Time in Toxic Encephalopathy. 9th International Congress on Anti-Aging and Biomedical Technology, Las Vegas, NV. December 14–16, 2001.

72. Heuser, G. Treatment of Toxic Encephalopathy. *Mind of a Child Conference*, Sydney, Australia. April 5–7, 2002.73 .

73. Heuser, G., Aguilera, O., Heuser, S., Kasbee, S., Peach, T. Mild Hyperbaric Oxygen Therapy (mHBOT) As An Immune Modulator. 10th International Congress on Anti-Aging and Biomedical Technology, Las Vegas, NV. December 6–8, 2002.

74. Heuser, G. mHBOT in Children and Adults. International Symposium for Cerebral Palsy and the Brain Injured Child. Fort Lauderdale, FL. July 16–20, 2003.

75. Heuser, G., Aguilera, O., Heuser, S., Gohari, A. Mild Hyperbaric Oxygen Therapy (mHBOT) for Aging Skin and Impaired Reproductive Function. 11th International Congress on Anti-Aging and Biomedical Technology, Las Vegas, NV. December 12–14, 2003.

76. Heuser, G., Aguilera, O., Heuser, S. Mild HBO Therapy as an Immune Modulator. Fourth International Symposium, Hyperbaric Oxygenation for Cerebral Palsy and the Brain Injured Child. Fort Lauderdale, FL. August 2004.

77. Heuser, G., Aguilera, O., Heuser, S. Mild Hyperbaric Oxygen Treatment (mHBOT) in patients with abnormal immune function (cell cycle and apoptosis). Twelfth Annual World Congress on Anti-Ageing Medicine. Las Vegas, NV. November 30 – December 5, 2004.

78. Heuser, G., Neuroimmunoendocrine Function after Toxic Exposure. Contaminated Air Protection Air Safety and Cabin Air Quality. International Aero Industry Conference, Imperial College, London SW7, UK. April 20th – 21st 2005 (Lecture by invitation).

79. Ezra, N., Aguilera, O., Heuser, G., Improvement of Attention Span and Reaction Time with Hyperbaric Oxygen Treatment in Patients with Toxic Injury Due to Mold Exposure. Department of Medicine, UCLA School of Medicine. May 2005. (Poster presentation).

80. Heuser, G., Heuser, S. Improvement of Sperm Quality with Mild Hyperbaric Oxygen Therapy (mHBOT). International Conference on Diving and Hyperbaric Medicine, XV International Congress of Hyperbaric Medicine (ICHM) 31st Annual Meeting of the European Underwater & Baromedical Society (EUBS). Barcelona, Spain. 7 – 10th September 2005. (Poster presentation).

81. Heuser, G., McCandless, J., Heuser, S., Aguilera, S. Treatment of Autism with Hyperbaric Oxygen (HBOT). Defeat Autism Now! (DAN!) 10th Anniversary Fall Conference. Long Beach, CA. October 27 – 30, 2005 (Poster presentation).

82. Heuser, G., Heuser, S., Aguilera, O. The Use of Hyperbaric Oxygen Therapy for Learning Disabilities and ADHD. American College for Advancement in Medicine. Anaheim, CA. November 2005. (Lecture by invitation).

83. Heuser, G., The Use of Hyperbaric Oxygen. International Congress on Anti-Ageing Medicine, American Academy of Anti-Ageing-Medicine. Las Vegas, NV, December 9th 2005. (Lecture by invitation).

84. Heuser, G. Hyperbaric Oxygen and the Brain, American College for Advancement in Medicine. Dallas, TX. 2005 (Lecture by invitation).

85. Ezra, N (Advisor:Gunnar Heuser M.D. , Ph.D.) . Improvement of Attention Span and Reaction Time with Hyperbaric Oxygen Treatment in Patients with Toxic Injury Due to Mold Exposure. The UCLA Undergraduate Science Journal. 20:89–92, 2007.

86. Heuser, G. EMF Induced Injury and Sensitivity. Evaluation and Treatment. Presentation by invitation. Santa Fe, New Mexico, 2007.

EXHIBITS:

1. Adams, D.; Heuser, G.; Roth, N.; Rand, R. W.; Dashe, A. M. and Parker, M. Cryohypophysectomy in the Treatment of Diabetic Retinopathy. Annual AMA meeting, Atlantic City, N.J. June 18–22. 1967.

2. Adams, D.; Heuser, G.; Roth, N.; Rand, R. W.; Dashe, A. M. and Parker, M. Cryohypophysectomy in the Treatment of Diabetic Retinopathy. International College of Surgeons, Regional meeting, Las Vegas, NV. November 19–22. 1967. (First Prize: Scientific Exhibits).

3. Tyler, E. T.; Marik, J.; Wilner, J.; Heuser, G.; Tejada, R.; Tyler, L. B. and Chan, V. Office Management of Infertility. Annual AMA meeting, San Francisco, CA. June 1972.

4. Rand, R.W. and Heuser, G. Micro-Neurosurgery. Annual AMA meeting, San Francisco, CA. June 1972.

COMMITTEES/PANELS:

1. Honorary Member, Advisory Panel on People with Multiple Chemical Sensitivity (MCS). California Legislature, Senate Subcommittee on the Rights of the Disabled (Chairman: Senator Milton Marks), 1993.

2. Participant, Congressional Subcommittee on Carpet Toxicity, Congress of the United States (Bernard Sanders, Member of Congress), House of Representatives, 1993.

3. Participant (by invitation), Section on Global Toxics and Health (Chair: Dr. Theo Colborn), State of the World Forum, San Francisco, October 2-6, 1996.

4. Consulting Member, ROA Department of California, Persian Gulf War Illness, Diagnosis and Treatment Committee.

5. Consultant, Olympic Co-ordination Authority (Sidney, Australia), 1999-2000.

6. TA (Technical Advisor) consultant to the Monterey Bay Toxics Projects & Fort Ord Toxics Project, 2002.

7. Panel member (by invitation). Skeptical about Cell Phones and Health? Conference at Commonwealth Club, San Francisco, CA on Dec. 9, 2013.