
BIOGRAPHICAL SKETCH

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NAME Garman, Robert H.	POSITION TITLE Consultant in Pathology and Neuropathology		
eRA COMMONS USER NAME (credential, e.g., agency login) garmanrobert			
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	MM/YY	FIELD OF STUDY
Cornell University	B.S.	1959 - 1963	Animal Physiology
Cornell University	D.V.M.	1962 - 1966	Veterinary Medicine
Univ. of Rochester School of Medicine		1969 - 1971	Pathology

A. Personal Statement

Dr. Garman has had 40 years of experience in veterinary and comparative pathology and has been specializing in neuropathology for the past 20 years. Over his professional career, he has performed histopathologic evaluations on a wide range of tissues from numerous animal species including humans. Over the past two decades, Dr. Garman's primary focus has been to perform histopathologic evaluations on studies designed to detect any potential neurotoxic effects of drugs and chemicals. Dr. Garman has served as the study pathologist/PI on numerous developmental neurotoxicity studies in rodents and personally performed the morphometric brain measurements on these studies. In addition to serving as either a primary or peer-review pathologist on a wide variety of neurotoxicity studies, Dr. Garman currently provides collaborative neuropathology support to various investigators at the University of Pittsburgh who are studying models of brain injury (primarily in the arenas of ischemia and brain trauma).

B. Positions and Honors

Positions and Employment

1966 - 1967 - General Veterinary Practice, Warrenton, VA

1967 - 1969 - Head, Primate Unit, the National Institutes of Health, Bethesda, MD

1971 - 1978 - University of Rochester School of Medicine and Dentistry. Faculty member, Departments of Pathology and of Laboratory Animal Medicine

1978 - 1988 - Research Pathologist, Bushy Run Research Center, Carnegie Mellon University

1988 Present - President, Consultants in Veterinary Pathology, Inc. (Consultation Services in Pathology, Neuropathology, and Toxicology)

Other Experience and Professional Memberships

Board Certification: American College of Veterinary Pathologists (1979)

Licenses: Licensed to practice veterinary medicine in New York State, Pennsylvania, and Virginia

Memberships:

American Association of Neuropathologists
American College of Veterinary Pathologists
American Veterinary Medical Association
Canadian Association of Neuropathologists
International Society of Neuropathology
New York Academy of Sciences
Society for Neuroscience
Society of Toxicologic Pathologists

C. Selected Peer-reviewed Publications (15 out of 86 peer-reviewed publications)

1. **Garman, R. H.:** Malignant Reticulosis. In: The Nervous System, (Vol. 6, ILSI Monographs on Pathology of Laboratory Animals) ed: T.C . Jones, U. Mohr, and R. D. Hunt. Springer Verlag, Berlin, 1988, pp 117-123.
2. **Garman, R. H.:** Artifacts in routinely immersion fixed nervous tissue. *Toxicologic Pathology*, **18**:149-153, 1990.
3. Kofke, W. A., **Garman, R. H.**, Tom, W. C., Rose, M. E., and Hawkins, R. A.: Alfentanil-induced hypermetabolism, seizure, and histopathology in rat brain. *Anesth Analg*, **75**:953-964, 1992
4. **Garman, R. H.:** Neurotoxicity testing standards - a contract pathologist's perspective. pp. 85 - 92 In: Neurobehavioral Toxicity: Analysis and Interpretation; B. Weiss and J. O'Donoghue, Eds.; Raven Press Ltd., New York, 1994.
5. **Garman, R. H.**, Dodd, D. E., and Ballantyne, B.: Central neurotoxicity induced by subchronic exposure to 2,4-pentanedione vapour. *Human and Experimental Toxicology*, **14**:662-671, 1995
6. Kofke, W. A., **Garman, R. H.**, Stiller, R.L., Rose, M., and Garman, R.: Opioid neurotoxicity: fentanyl dose-response effects in rats. *Anesth Analg*, **83**:1298-1306,1996.
7. Kofke, W. A., **Garman, R. H.**, Garman, R., and Rose, M.: Opioid neurotoxicity: fentanyl-induced exacerbation of cerebral ischemia in rats. *Brain Research*, **818**: 326-334, 1999
8. Fix, A. S. and **Garman, R. H.:** Practical aspects of neuropathology: a technical guide for working with the nervous system. *Toxicologic Pathology*, **28**:122-131, 2000
9. Kofke, WA., **Garman, RH.**, Garman, R., and Rose, M.: Opioid neurotoxicity: role of neurotransmitter systems. *Neurological Research*. 22: October, 2000
10. **Garman, RH**, Fix, AS, Jortner, BS, Jensen, KF, Hardisty, JF, Claudio, L, and Ferenc, S: Methods to identify and characterize developmental neurotoxicity for human health risk assessment II: Neuropathology. *Environmental Health Perspectives*. **109** [Supplement 1] 93-100, March, 2001
11. **Garman, RH:** Evaluation of large-sized brains for neurotoxic endpoints. *Toxicologic Pathology* **31** (Suppl.):32-43,2003
12. Bolon, B, **Garman, RH**, Jensen, K, Krinke, G, and Stuart, B, A 'best practices' approach to neuropathologic assessment in developmental neurotoxicity testing – for today. *Toxicologic Pathology* **34**:296-313, 2006
13. Drabek, T, Stezoski, J, **Garman, RH**, Han, F, Henchir, J, Tisherman, SA, Stezoski, SW, Kochanek, PM. Exsanguination cardiac arrest in rats treated by 60 min, but not 75 min, emergency preservation and delayed resuscitation is associated with intact outcome. *Resuscitation* **75**:114-123, 2007
14. Drabek T, Fisk J, Dixon CE, **Garman R**, Stezoski J, Henchir J, Stezoski SW, Tisherman SA, Kochanek PM: Functional deficits in rats exposed to cardiopulmonary bypass vs deep hypothermia circulatory arrest. *SCA* 2006.
15. Drabek T, Stezoski J, **Garman RH**, Han F, Henchir J, Tisherman SA, Stezoski SW, Kochanek PM: Exsanguination cardiac arrest in rats treated by 60 min but not 75 min emergency preservation and delayed resuscitation is associated with excellent outcome. *Resuscitation* **75**:114-123, 2007

D. Research Support

Ongoing Research Support

None

Completed Research Support

None