



# Neuropathology of Drug Addictions and Substance Misuse Volume 3: General Processes and Mechanisms, Prescription Medications, Caffeine and Areca, ... Emerging Addictions and Non-Drug Addictions

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**Neuropathology of Drug Addictions and Substance Misuse Volume 3: General Processes and Mechanisms, Prescription Medications, Caffeine and Areca, ... Emerging Addictions and Non-Drug Addictions** From Academic Press

*Neuropathology of Drug Addictions and Substance Misuse, Volume 3: General Processes and Mechanisms, Prescription Medications, Caffeine and Areca, Polydrug Misuse, Emerging Addictions and Non-Drug Addictions* is the third of three volumes in this informative series and offers a comprehensive examination of the adverse consequences of the most common drugs of abuse. Each volume serves to update the reader's knowledge on the broader field of addiction as well as to deepen understanding of specific addictive substances. *Volume 3* addresses prescription medications, caffeine, polydrug misuse, and non-drug addictions. Each section provides data on the general, molecular, cellular, structural, and functional neurological aspects of a given substance, with a focus on the adverse consequences of addictions.

Research shows that the neuropathological features of one addiction are often applicable to those of others, and understanding these commonalities provides a platform for studying specific addictions in more depth and may ultimately lead researchers toward new modes of understanding, causation, prevention and treatment. However, marshalling data on the complex relationships between addictions is difficult due to the myriad of material and substances.

- Offers a modern approach to understanding the pathology of substances of abuse, offering an evidence-based ethos for understanding the neurology of addictions
- Fills an existing gap in the literature by serving as a “one-stop-shopping” synopsis of everything to do with the neuropathology of drugs of addiction and substance misuse
- Includes in each chapter: list of abbreviations, abstract, introduction, applications to other addictions and substance misuse, mini-dictionary of

terms, summary points, 6+ figures and tables, full references

- Offers coverage of preclinical, clinical, and population studies, from the cell to whole organs, and from the genome to whole body

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### **Editorial Review**

#### About the Author

Victor R. Preedy BSc, PhD, DSc, FRSB, FRSPH, FRCPath, FRSC is a senior member of King's College London. He is also Director of the Genomics Centre and a member of the Faculty of Life Sciences and Medicine.

Professor Preedy has longstanding academic interests in substance misuse especially in relation to health and well being. He is a member of the Editorial Board of Drug and Alcohol Dependence and a founding member of the Editorial Board of Addiction Biology. In his career Professor Preedy was Reader at the Addictive Behaviour Centre at The University of Roehampton, and also Reader at the School of Pharmacy (now part of University College London; UCL). Professor Preedy is Editor of the influential works The Handbook Of Alcohol Related Pathology, The Neuropathology of Drug Addictions and Substance Misuse and The Handbook of Cannabis and Related Pathologies (all published by Academic Press-Elsevier).

Professor Preedy graduated in 1974 with an Honours Degree in Biology and Physiology with Pharmacology. He gained his University of London PhD in 1981. In 1992, he received his Membership of the Royal College of Pathologists and in 1993 he gained his second doctoral degree (DSc). Professor Preedy was elected as a Fellow of the Institute of Biology in 1995 and also as a Fellow to the Royal College of Pathologists in 2000. He was then elected as a Fellow of the Royal Society for the Promotion of Health (2004) and The Royal Institute of Public Health and Hygiene (2004). In 2009, Professor Preedy became a Fellow of the Royal Society for Public Health and in 2012 a Fellow of the Royal Society of Chemistry.

To his credit, Professor Preedy has published over 600 articles, which includes peer-reviewed manuscripts based on original research, abstracts and symposium presentations, reviews and numerous books and volumes.

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