



"Venomous" bites from non-venomous snakes [a critical analysis of risk and management of "colubrid" snake bites /

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Monografía

This book is the first significant contribution to thoroughly examine the potential hazards associated with snakes of the former family, Colubridae. This family contained >65% of living snake species (approximately 3,000 taxa) and has recently been split into multiple families. Many of these snakes produce oral secretions that contain toxins and other biologically-active substances. A large variety of these snakes figure in the pet industry, yet little documented information or formal study of their potential medical importance has been published. Therefore, although the possible medical impor

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Contenido: Front Cover; "Venomous" Bites from Non-Venomous Snakes; Copyright Page; Contents; Dedication; Preface; Acknowledgments; About the Authors; Introduction; Chapter 1. An Overview of the Artificial Assemblage, the Colubridae: A Brief Summary of Taxonomic Considerations; Chapter 2. Differences Between Buccal Gland Secretion and Associated Delivery Systems of "True" Venomous Snakes and "Colubrid" Snakes;

Low- Versus High-Pressure...; 2.1 Basic Considerations Regarding Gland Structure and Function; 2.2 Overview of Hypotheses for the Evolution of Venom-Delivery Systems 2.3 Theories Considering the Evolution of Canaliculated Fangs and Enlarged Grooved Teeth 2.4 Duvernoy's Glands and Venom Glands: A Question of Semantics?; Chapter 3. A Summary of the Toxinology of Duvernoy's Secretions: A Brief Overview of the History of Colubrid Oral Secretion Research; Chapter 4. Medically Significant Bites by "Colubrid" Snakes; 4.1 Typical Features of Documented Cases and Evidence-Based Risk; 4.2 Some Representative Genera: Typical Features of Bites and an Overview of Their Natural History and Toxinology 4.3 Life-Threatening and Fatal Cases: "Venomous Colubrids" and Assessment of Evidence-Based Risk 4.4 Aberrant Cases and Representative Cases Without Clear Etiology: A Critical Assessment of Risk; 4.5 Pitfalls Noted in Documented Cases: Differentiating Perceived Versus Evidence-Based Risk; 4.6 Recommendations for Management of Medically Significant "Colubrid" Bites; Chapter 5. Summary and Conclusions; Appendix A: Representative Unverified Cases of Medically Significant "Colubrid" Bites Posted on the Internet; Case 1. Western Hognose Snake, *Heterodon nasicus* Case 2. Jackson's Black Tree Snake, *Thrasops jacksoni* Case 3. Mangrove Snake, *Boiga dendrophila*; Appendix B: Representative Lethal Potency Ranges and Yields of Duvernoy's Secretions and Venoms from Selected Non-Front-Fanged Colubroid Snakes; Appendix C: Strategies of Management of Gram-Negative Septicemia: Are There Lessons to Be Learned for Managing Venom-Induced Coagulopathies?; Appendix D: Legal Considerations Regarding Private Ownership of Venomous Snakes (Including Hazard Level 1 "Colubrids"): An Opinionated Essay; Appendix E: List of Osteological Specimens Examined at AMNH Additional Recommended Reading Aiding the Envenomated Patient and Further Information: Societies, Journals, Toxinology Courses, and Associated Contacts; A Call for Cases; Bibliography

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