TABLE OF CONTENTS

- Cover image
- Title page
- Table of Contents
- Copyright
- Dedication
- About the authors
- Foreword
- Preface to the second edition
- Acknowledgments for the second edition
- Introduction
- Methods
- Chapter 1. A summary of taxing taxonomic considerations: non-frontfanged snakes and the shifting sands of systematics
- 1.1. The shifting sands of taxonomic reassignments and their relevance to the envenomed patient
- 1.2. Brief glimpses of a vast landscape: the basics of taxonomic reassignments and discordance of morphological and molecular systematics investigations
- 1.3. Outlined inventory of a recent higher phylogeny of Caenophidian snakes
- 1.4. General phylogenetic inventory of Caenophidian snakes: comments and consideration of known medical significance
- Chapter 2. Differences between buccal gland secretion and associated venom delivery systems of front-fanged snakes and non-front-fanged snakes: Low- versus high-pressure gland function and canaliculated versus solid dentition
- 2.1. Basic considerations regarding gland structure and function
- 2.2. Overview of hypotheses for the evolution of venom-delivery systems and other adaptive gland functions
- 2.3. Theories considering the evolution of canaliculated fangs and enlarged grooved teeth
- 2.4. Low-pressure 'Duvernoy's glands' and high-pressure venom glands: a question of semantics?
- Chapter 3. A brief overview of the history of non-front-fanged snake venom research
- 3.1. Background and beginnings
- 3.2. The modern era: advances and attributions

- 3.3. A brief overview of major classes of non-front-fanged colubroid venom components (see Tables 3.2–3.4)
- Chapter 4. Medically significant bites by non-front-fanged snakes (NFFCs)
- 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
- Colubridae, Ahaetuliinae
- 4.3. Life-threatening and fatal cases: non-front-fanged snakes with lethal potential 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 non-frontfanged snake bites
- Chapter 5. Summary and conclusions
- Appendix A. Representative unverified cases of medically significant non-frontfanged snake bites posted on the internet
- Appendix B. Representative lethal potency ranges and yields of venoms and other oral products from selected non-front-fanged colubroid snakes
- Appendix C. Strategies for 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 non-front fanged snakes): an opinionated essay
- Appendix E. List of examined osteological specimens
- Additional recommended reading
- Bibliography
- Glossary
- A call for cases
- Index.