

TABLE OF CONTENTS

Assessing Essential Skills of Veterinary Technology Students, 4th Edition

List of Contributors

Preface

About the Companion Website

1 Veterinary Management 1

Jacquelyn Hickey, BS, LVT

1.1 Procedures and Policies 1

1.2 Communication Skills 4

1.3 Ethics and Jurisprudence 5

References 6

2 Pharmacology 7

Lisa E. Schenkel, DVM, CCRT, CVMA

2.1 Pharmacologic Fundamentals of Drug Administration 7

2.2 Pharmacy Essentials of Drug Dispensing 10

References 12

3 Medical Nursing 13

Lisa E. Schenkel, DVM, CCRT, CVMA, Sandra Lynn Bertholf, MS, LVT, and Howard Gittelman, MS, DVM

3.1 Assessment of the Veterinary Patient 13

3.2 Nursing Care of the Veterinary Patient 21

3.2.1 Husbandry of Common Domestic Species 21

3.2.2 Nutrition of Common Domestic Species 23

3.2.3 Therapeutics for Common Domestic Species 24

3.3 Dental Procedures in Small Animals 34

References 36

4 Anesthesia 39

Lisa E. Schenkel, DVM, CCRT, CVMA, Sandra Lynn Bertholf, MS, LVT, and Amanda Colón, DVM

4.1 Perioperative Management of the Veterinary Patient 39

4.2 Management and Use of Anesthetic Equipment 48

References 54

5 Surgical Nursing and Assisting 57

Sandra Lynn Bertholf, MS, LVT and Lisa E. Schenkel, DVM, CCRT, CVMA

5.1 Fundamentals of Common Surgical Procedures 57

5.2 Experience with Common Surgical Procedures 60

5.3 Management of the Veterinary Surgical Patient 60

5.4 Management of Surgical Equipment and Facilities 68

References 72

6 Clinical Laboratory Procedures 73

Lisa E. Schenkel, DVM, CCRT, CVMA, Amanda Colón, DVM, and Sandra Lynn Bertholf, MS, LVT

6.1 Management of Laboratory Specimens and Equipment 73

6.2 Diagnostic Laboratory Procedures 74

References 86

7 Radiography 89

Sandra Lynn Bertholf, MS, LVT

References 94

8 Laboratory Animal Care and Procedures 95

Nina Slivinsky, LVT, LATg

References 101

9 Avian, Exotic Animal, and Small Mammal Nursing 103

Annmarie Gonzalez, BS, LVT

References 110

Index 111.