

Contents

1	Introduction	1
2	Materials and Methods	5
3	Musculus Detrusor Vesicae	7
3.1	Musculus Detrusor Vesicae	7
3.2	Musculus Pubovesicalis	10
3.3	Musculus Vesicoprostaticus and Musculus Vesicovaginalis	10
3.4	Summary	14
4	The Musculature of the Trigonum Vesicae	17
4.1	Musculus Interuretericus	18
4.2	Musculus Sphincter Vesicae (Vesical or Internal Sphincter)	18
4.3	Trigonum Vesicae	27
4.4	Summary	29
5	Diaphragma Urogenitale	31
5.1	Summary	36
6	Musculus Sphincter Urethrae (Urethral or External Sphincter)	41
6.1	Summary	50
7	Musculus Dilatator Urethrae	51
7.1	Summary	58
8	Musculus Ejaculatorius	59
8.1	Summary	69
9	Changes of the Muscles of the Lower Urinary Tract with Age	71
9.1	Summary	72

10 **Three-Dimensional Model of the Anatomy
of the Lower Urinary Tract** 73

11 **Fundamentals of the Neuroanatomy
of the Lower Urinary Tract** 77

11.1 Autonomous Innervation
of the Lower Urinary Tract 77

11.2 The Voluntary Innervation
of the Musculus Sphincter Urethrae 78

11.3 The Sensory Innervation of the Urinary Bladder
and the Urethra 79

11.4 Spinal and Supraspinal Influence
on the Urinary Reflexes 81

11.5 Summary 82

12 **Discussion (Functional Interpretation
of the Anatomical Findings)** 83

12.1 Continence 83

12.2 Micturition 84

12.3 Ejaculation 86

13 **Further Studies and New Approaches** 89

13.1 Summary 90

14 **Terminologia Anatomica
of the Lower Urinary Tract** 93

15 **Summary** 97

References 101

Subject Index 111