

Contents

Preface	ix
Acknowledgments	x
1 Airway Management	1
1.1 Tracheotomy	2
1.1.1 History	2
1.1.2 Relevant Anatomy for Tracheotomy	3
2 Lymph Node Management	9
2.1 General Overview of Neck Dissection	10
2.1.1 History	10
2.1.2 Classification and Clinical Management	10
2.1.3 Relevant Anatomy of the Neck	11
2.1.4 Definition and Description of the Cervical Lymph Node Groups: Levels and Sublevels of the Neck.	12
2.2 Neck Dissection Levels I to III (Supraomohyoid Dissection)	15
2.2.1 Preliminary Considerations and Recommended Procedure	15
2.2.2 Technique of Neck Dissection Levels I to III ..	16
2.3 Neck Dissection Levels IV and V	25
2.3.1 Preliminary Considerations and Recommended Approaches	25
2.3.2 Relevant Anatomy for Level V Dissection	26
2.3.3 Technique of Posterior Neck Dissection (MacFee Approach)	27
2.3.4 Alternative Approaches for Levels I to V	26
3 Ablative Tumor Surgery	33
3.1 Access to the Tumor and Tumor Resection	34
3.1.1 Overview and Accessibility	34
3.1.2 Alternative Approaches and Indications	34
3.2 Lip-split Mandibulotomy Access	34
3.2.1 History	34
3.2.2 Modifications	35
3.2.3 Technique	36
3.3 Weber-Fergusson-Dieffenbach Approach	41
3.3.1 History	41
3.3.2 Technique	41
3.4 Midfacial Degloving	43
4 Reconstructive Surgery	51
4.1 Considerations on Reconstructive Procedures	52
4.2 Suggestions for Reconstructive Algorithms	52

4.3	Nasolabial Flap	54	4.7.2	Indication	75
4.3.1	History	54	4.7.3	Preoperative Procedures	75
4.3.2	Flap Anatomy	54	4.7.4	Technique	75
4.3.3	Indications	55	4.7.5	Modification of the Procedure by Harvesting an Additional Myocutaneous Tensor Fasciae Latae Flap	83
4.3.4	Variations	55			
4.3.5	Technique	55			
4.4	Deltpectoral Flap	60	4.8	Osseocutaneous Fibula Flap	85
4.4.1	History	60	4.8.1	History	85
4.4.2	Flap Design and Anatomy	60	4.8.2	Indication	85
4.4.3	Indication	61	4.8.3	Preoperative Procedures	85
4.4.4	Technique	61	4.8.4	Cross-sectional Anatomy	87
			4.8.5	Technique	88
4.5	Microvascular Anastomosis	66	4.9	Considerable Alternatives in Reconstruction	96
4.5.1	History	66	4.9.1	Pedicled Flaps	96
4.5.2	Technique	67	4.9.2	Free Flaps	96
4.6	Radial Forearm Flap	70	4.10	Principles of Complex Reconstruction Planning	97
4.6.1	History	70	4.10.1	Classification of Mandibular Defects	97
4.6.2	Indication	70	4.10.2	Mandibular Reconstruction with Osseocutaneous Fibula Flaps	98
4.6.3	Preliminary Examinations and Considerations	70	4.10.3	Combined Mandibula and Tongue Reconstruction	115
4.6.4	Technique	71			
4.7	Anterolateral Thigh Flap/ Myocutaneous Vastus Lateralis Flap	75			
4.7.1	History	75			
	Index	119			