



## New techniques for thoracic outlet syndromes

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**Abstract:** New Techniques for Thoracic Outlet Syndromes presents in a comprehensive format an up-to-date, state of the art reference that physicians can use in consultation to properly treat patients using the resources that modern medicine offers. This book offers the newer surgical approaches that have been developed during the past 30 years. Some of these techniques are modification of operations that were proposed previously but were not fully affective and left many patients suffering with permanent disability. This textbook is a compendium of the proper management of these patients that cannot be found in isolated reports of literature.

The neurogenic-arterial thoracic outlet syndrome section covers how to diagnosis the illness using the proper tests, therefore eliminating the use of expensive, uncomfortable and inconvenient tests. The text is organized in three basic sections that cover all the aspects of the thoracic outlet syndromes. The first section addresses the neurogenic-arterial type, with the pertinent subsections: symptoms, diagnosis. A list of the useful tests is provided to make a correct diagnosis of this syndrome. This is followed by the sections on treatment, using the surgical approaches with historical aspects and evolution of the operations proposed. The second section involves the venous thoracic outlet syndrome divided into the corresponding subsections comprising: symptoms and physical findings, etiology, diagnosis. This section also includes a list of the usual tests to make the proper diagnosis. The last section of this text is dedicated to the presence of cervical ribs and their classification of the different types that occur, and also the proper surgical treatment when fusion of the upper ribs is present.

New Techniques for Thoracic Outlet Syndromes offers the current, acceptable and most effective methods to handle thoracic outlet syndromes. It will be of great value to thoracic surgeons, vascular surgeons, interventional radiologists as well as fellows and residents in training for cardiothoracic and vascular surgery.

Contents:	Section I. NEUROGENIC-ARTERIAL THORACIC OUTLET SYNDROME – 1. Symptoms of Neurogenic-Arterial Thoracic Outlet Syndrome – 2. The Diagnostic Tests – 3. Physiotherapy – 4. Surgical Treatment – 5. Supraclavicular approach – 6. Transpleural Infraclavicular Approach – 7. The Paraclavicular Approach to Address Arterial Complications – 8. The Transaxillary Alone Approach for Removal of the 1st Rib – 9. The Posterior Approach – 10. The New Dual Approach – 11. Reoperations for recurrence of neurogenic symptoms – Section II. VENOUS THORACIC OUTLET SYNDROME (PAGET-SCHROETTER) – 12. Symptoms and Physical Findings – 13. Etiology – 14. Venous Obstructions Due to Implanted Devices – 15. Diagnosis – 16. The new treatment approach to subclavian vein thrombosis – 17. Timing for Intervention and Standard of Care – 18. Thrombolytic Therapy – 19. Surgical Intervention – 20. The Transsternal Extension – 21. The Paraclavicular Approach – 22. The transaxillary approach – 23. Reoperations after failed transaxillary first rib resection for Subclavian Vein Thrombosis – 24. Vein Replacement – 25. Postoperative Care: Anticoagulants, Pain Control, and Nursing Care – Section III. THE CERVICAL RIB – 26. The Cervical Rib – 27. Fusion of Ribs – Index.
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