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Reconstructive Microvascular Surgery

By E. Biemer

Springer Nov 2011, 2011. Taschenbuch. Book Condition: Neu. 280x210x9 mm. This item is printed on demand - Print on Demand Neuware - For many years, the operative manipulation of the most minute structures was frustrated by the limitations of the human eye. With the introduction of the operating microscope by Nylen (1921), fine detailed anatomy was made visible, so that structures could be prepared, presented and manipulated. Nylen used the microscope for treating diseases of the middle ear. In 1946 Perrit in the U. S. A. introduced the operating microscope into the field of ophthalmic surgery. In 1964, Smith, Kunze and Mitchen published reports on their clinical experience using the operating microscope in nerve surgery. Using this technique, it was possible to divide a peripheral nerve into individual fascicle bundles and repair each bundle precisely. Following on from these developments, the term 'microsurgery' was introduced to cover that branch of surgery which was carried out using the 'equipped' eye - either by using 10x spectacle magnification or, more commonly, the operating microscope. The term 'microvascular surgery' developed for the operative treatment of small vessels below 2 mm in diameter. Experimental studies for...



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