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This encyclopedic reference book presents the diagnosis and treatment of arteriovenous malformations (AVM) and fistulas (AVF) in a casebased, educative, and practical manner. The book is structured by AVM and AVF location, ensuring ease of use. Different treatment strategies are described, highlighting their respective pros and cons in particular circumstances. The diagnosis and treatment of the huge variety of vascular lesions are presented on the basis of individual cases, structured by the anatomic localization and the nature of the arteriovenous connection. The diagnostic process comprises a correlation of clinical signs and symptoms with imaging findings from computed tomography, magnetic resonance imaging, and digital subtraction angiography. The diagnostic section of each presented case outlines the typical findings and, if present, unusual manifestations. The treatment strategy is developed on the basis of these findings, with consideration of potential chances and risks of competing treatment options. The procedures are explained and illustrated in detail in order to allow for an understanding of what is done, why, and how. Endovascular procedures, microsurgical operations, radiosurgery, and

combinations thereof, are used in an integrative fashion. The follow-up examinations and the clinical outcome description show if the goal of the treatment has been achieved. The description of procedural complications might help to avoid them in future patients. The discussion of the presented case in light of the published literature illustrates what is common sense and what is a matter of controversy. This highly interdisciplinary book will be of great value to Neuroradiologists, Neurosurgeons, Neurologists, and Radiotherapists.