Neurosonology is a first-line modality in the diagnosis and management of cerebrovascular disease and especially of stroke.

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As in the first edition, the new edition offers both a clear overview of the principles of neurosonology and a casebook exploring critical cerebrovascular problems. Ultrasound anatomy, technical aspects of clinical application, and the advantages and limitations of ultrasound are reviewed and contrasted to conventional, magnetic resonance, and computed tomography angiography. Forty-five selected cases from the authors' extensive collections at Charite - Universitatsmedizin Berlin and the Center of Neurology in Bad Segeberg, Germany, are then discussed. The patient histories and working diagnoses are followed by detailed assessments of the extra- and intracranial color-coded duplex sonographic findings and additional diagnostic procedures. The relevant clinical aspects are presented in a compact, comprehensible way.

Key Features:
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- New techniques: ultrasound fusion imaging, ultrafast ultrasound, contrast application
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