Completely updated and rewritten to reflect current science and practice. An extensive, entirely new chapter on treatment provides specific guidance on when to use antiplatelet agents, anticoagulants, and thrombolytic agents in children and also includes a section on neurorehabilitation after stroke. An expanded and thoroughly updated diagnostic approach chapter covers the latest applications in stroke imaging such as computed tomography angiography, diffusion weighted MRI, and perfusion CT. The first chapter stresses the etiology and pathophysiology of childhood stroke as the basis for evaluations and treatment.