Contents

Section A  Introduction ................................................................. 1
  1  Subcortical involvement in speech and language: an introduction and historical perspective ................. 3
  2  Neuroanatomy and functional neurology of the subcortical region ............... 18

Section B  Subcortical language disorders ......................................... 61
  3  Models of subcortical participation in language ........................................ 63
  4  Language disorders associated with striatocapsular and thalamic lesions .................. 97
  5  Pallidal and thalamic involvement in language: evidence from stereotactic surgical studies ................ 112
  6  A role for the subthalamic nucleus in language ........................................ 137
  7  Influence of the cerebellum on language function ....................................... 162
  8  Degenerative subcortical syndromes: aetiology, clinical features, medical treatment and associated language disorders .......................... 180
  9  Assessment and treatment of subcortical language disorders ....................... 200

Section C  Subcortical speech disorders ........................................ 213
  10  Role of the subcortical structures in speech motor control ..................... 215
  11  Dysarthria associated with subcortical pathologies ........................... 244
  12  Subcortical dysarthrias: assessment and treatment ............................. 275

Index ..................................................................................... 290