

Contents

Preface	9
Embriology of the Central Nervous System Silvia Visentin, MD, PhD, Martina Camerin, MD	11
Sonographic Anatomy of the Fetal Central Nervous System Paola Veronese, MD, PhD	45
Ultrasound Evaluation of the Fetal Neural Axis Irene Romanello MD, Ayuna Angarkhayeva MD	57
Fetal ventriculomegaly Tullio Ghi, Professor	65
Neural tube defects: Anencephaly, Cephalocele and Spina bifida Alberto Rossi MD, PhD	79
Midline anomalies Bart De Keersmaecker, MD, PhD and Luc De Catte, MD, PhD	97
Destructive Cerebral Lesions E. Perdrille-Galet MD, J.K. Jeffery MD, P. Bach-Segura MD, B. Foliguet MD, G. Grangé MD, O. Morel MD	129
Disorders of Nerve Cell Proliferation Lorenza Driul, MD	155
Intracranial Tumors Erich Cosmi, MD PhD, Silvia Visentin MD PhD, Alice Galzignato MD, Grazia Giunta MD	171
Anomalies of Neuronal Migration Paolo Rosati MD, Mauro Tintoni MD	183

Intracranial cysts: arachnoid cysts, gliependymal cysts, choroid plexus cysts Tullio Ghi PhD MD, Elisa Maroni MD, Tiziana Arcangeli MD, Francesca Deb Musso MD, Aly Youssef MD, Nicola Rizzo Professor, Gianluigi Pilu Professor	189
Intracranial Fetal Vascularization Alberto Rossi MD, PhD	201
Three-Dimensional Ultrasound for Detection of Fetal Central Nervous System Anomalies Stephen Contag, MD	241

Preface

Modern fetomaternal surveillance has drawn attention to antepartum events that contribute to subsequent neurological handicap in children.

Moreover, there is a growing body of evidence to show that defects in neurological development may be the consequence of prenatal brain damage.

Therefore, we need to ascertain the fetal condition before delivery in order to understand the possible influence of prenatal events on the perinatal and postnatal periods.

The new non-invasive techniques of modern fetal surveillance allow for the structural and functional evaluation of the fetus in utero.

Nowadays, fetal neurosonography represents an important part of obstetric ultrasound. The introduction of high-frequency sonography, including transvaginal sonography, has resulted in detailed imaging of the normal anatomy of the central nervous system and its pathology. Nevertheless, there is still a need for better definition of parameters in use.

In this book, several Authors gave their contribution to illustrate the possible importance of developmental neuropathology describing imaging techniques in the context of fetal brain pathology.

Alberto Rossi
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