Neural Tube Defects (Novartis Foundation Symposia)

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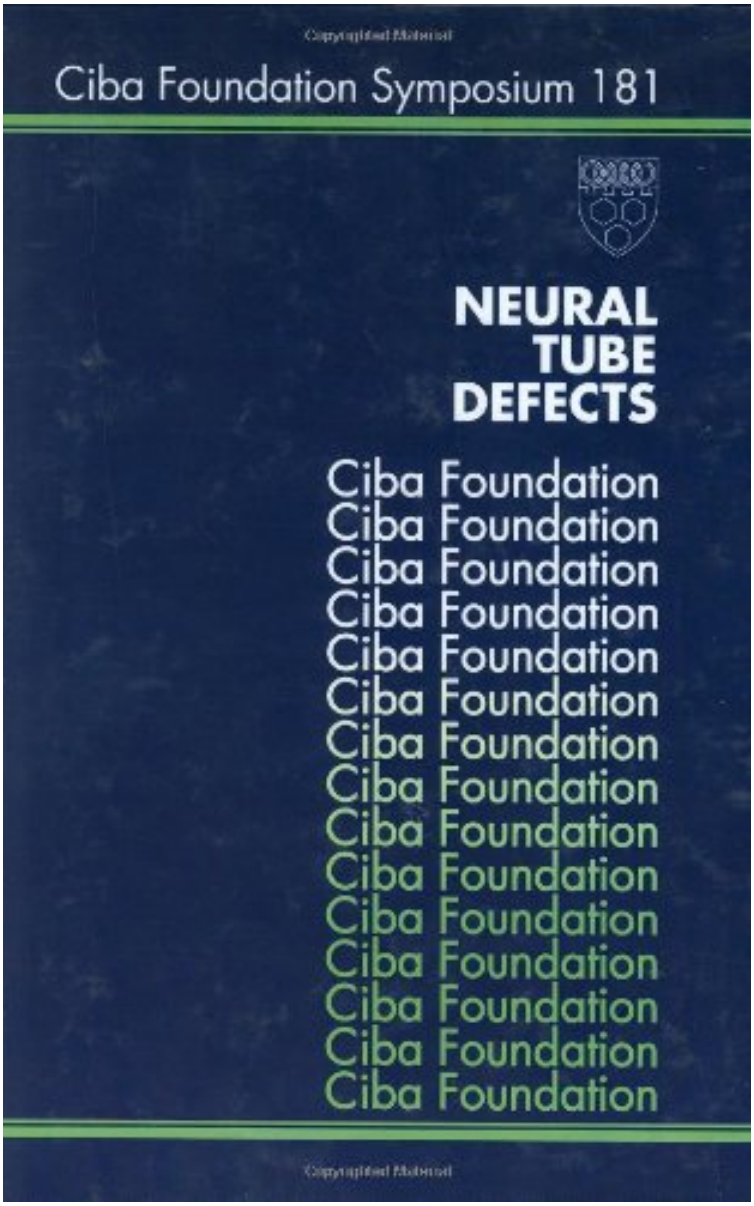

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CIBA Foundation Symposium : Neural Tube Defects (Novartis Foundation Symposia) before purchasing it in order to gage whether or not it would be worth my time, and all praised Neural Tube Defects (Novartis Foundation Symposia):

Neural tube defects are the second most common cause of perinatal death from birth defects in the United Kingdom. In this important book, leading scientists evaluate the latest evidence on the causative factors--both genetic and environmental--of these major human congenital malformations. They also discuss prospects for early detection by prenatal screening and for treatment both before and after birth. The extensive coverage encompasses such topics as: formation and patterning of the avian neuraxis, neurulation in mammals and the normal human embryo, folic acid and more.

From the PublisherNeural tube defects are the second most common cause of perinatal death from birth defects in the United Kingdom. In this important book, leading scientists evaluate the latest evidence on the causative factors--both genetic and environmental--of these major human congenital malformations. They also discuss prospects for early detection by prenatal screening and for treatment both before and after birth. The extensive coverage encompasses such topics as: formation and patterning of the avian neuraxis, neurulation in mammals and the normal human embryo, folic acid and more.From the Back CoverNeural Tube Defects Chairwoman: Professor Judith Hall 1994 Neural tube defects are major human congenital malformations. They are the second most common cause of perinatal death owing to birth defect in the UK and lead to considerable childhood morbidity. This book contains descriptions of normal neurulation in birds, amphibians and mammals, including humans. The anatomy of neural tube defects is discussed, with emphasis on the underlying molecular genetics, particularly in mouse strains with heritable neural tube defects. There is evidence for both genetic and environmental factors in the development of neural tube defects. Possible risk factors include anticonvulsant agents, diabetes and alcohol: the current status of epidemiological studies on these is assessed and the relative contributions of potential causative elements are critically reviewed. Clinical trials in humans have shown that folic acid consumption before and immediately after conception significantly reduces the risk of having a child with a neural tube defect. The book contains a detailed description of folic acid metabolism and discussion of how it may act during neural tube closure. The book describes methods for antenatal detection and diagnosis of neural tube defects. The feasibility of treatment, both in utero and after birth, is considered. Finally, the book presents the case for implementing a programme to ensure adequate consumption of folic acid by all women of child-bearing age. Possible objections to, or disadvantages of, such a programme are discussed fully and solutions to such problems are proposed. Related Ciba Foundation Symposia: No. 156 The childhood environment and adult disease Chairman: David Barker 1991 ISBN 0 471 92957 3 No. 165 Postimplantation development in the mouse Chairwoman: Anne McLaren 1992 ISBN 0 471 93384 8 No. 182 Germline development Chairwoman: Anne McLaren 1994 ISBN 0 471 94264 2