



Morphometry of the Placental Exchange Area

By R. Baur

Springer Apr 1977, 1977. Taschenbuch. Book Condition: Neu. 235x155x4 mm. This item is printed on demand - Print on Demand Neuware - Considering the placenta from the functional point of view as an exchange organ between mother and foetus, it is noteworthy that placentas of all types have a common structural principle in that all placentas have structures enlarging the surface area available for exchange, as is also the case with other organs with similar functions, such as the lungs, kidneys and intestine. It may therefore be assumed that a quantitative relationship must exist between the structure of the placenta and its function. Accurate information on this relationship could contribute to better understanding of the placenta and of its function. The study of this relationship requires quantitative physiological and morphological data. Detailed data on quantitative morphology (morphometry) are available mainly for the human placenta. Even these data, however, are rather sparse as far as the early stages of development are concerned, because most studies relate to full term placentas (see Aherne, 1975; Bender et al., 1974; Laga et al., 1973; Geissler et al., 1972; Baur, 1972; Cattoor, 1967; Aherne and Dunnill, 1966)....



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