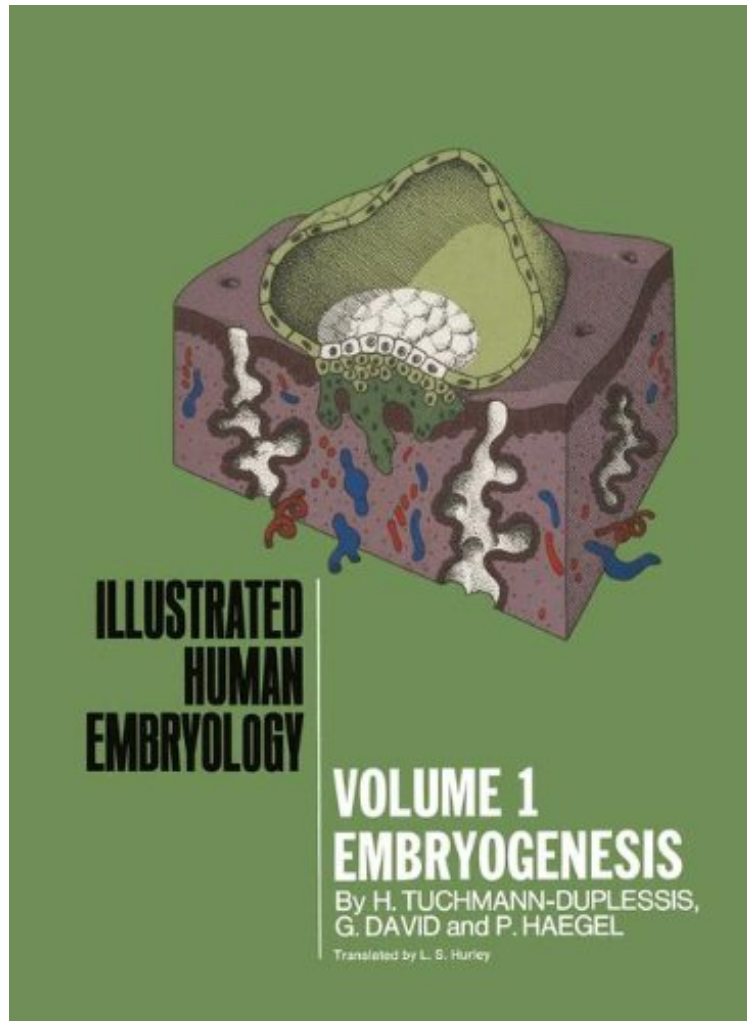


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## Embryogenesis (Monographien aus dem Gesamtgebiet der Physiologie der Pflanzen und der Tiere) (Volume 1)

*H. Tuchmann-Duplessis, G. David, P. Haegel*  
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**H. Tuchmann-Duplessis, G. David, P. Haegel : Embryogenesis (Monographien aus dem Gesamtgebiet der Physiologie der Pflanzen und der Tiere) (Volume 1)** before purchasing it in order to gage whether or not it would be worth my time, and all praised Embryogenesis (Monographien aus dem Gesamtgebiet der Physiologie der Pflanzen und der Tiere) (Volume 1):

EMBRYOLOGY studies the succession of transformations undergone by the fertilized egg in the formation of a new individual. Development of the embryo is directed by morphogenetic mechanisms ruled by a strict chronology. Survival of the egg, its transport in the genital tract, and the adaptation of the maternal organism to its presence are controlled by hormonal actions. Knowledge of these subjects is proving to be increasingly important for the medical practitioner. Such information helps to explain anatomic correlations; organ relationships also illuminate the etiology of numerous pathologic conditions. Disturbances of prenatal development engender congenital malformations and constitute an important cause of perinatal mortality and postnatal morbidity. Our goal in preparing Volume I was to introduce the student to the complex phenomena of embryonic development in a clear and direct way. We tried to present an overall view of the simultaneous nature of the multiple and rapid events in embryogenesis. Also, we thought it appropriate to treat certain topics in depth, because of their difficulty, or their physiological or pathological implications. Thus, gastrulation and formation of the body shape, including flexion, which are particularly dynamic processes, can best be understood by following their sequences in detail. Special attention was also devoted to the placenta, since it assures the functions of nutrition, respiration, and excretion. It is also an endocrine gland upon which the hormonal equilibrium of pregnancy depends.