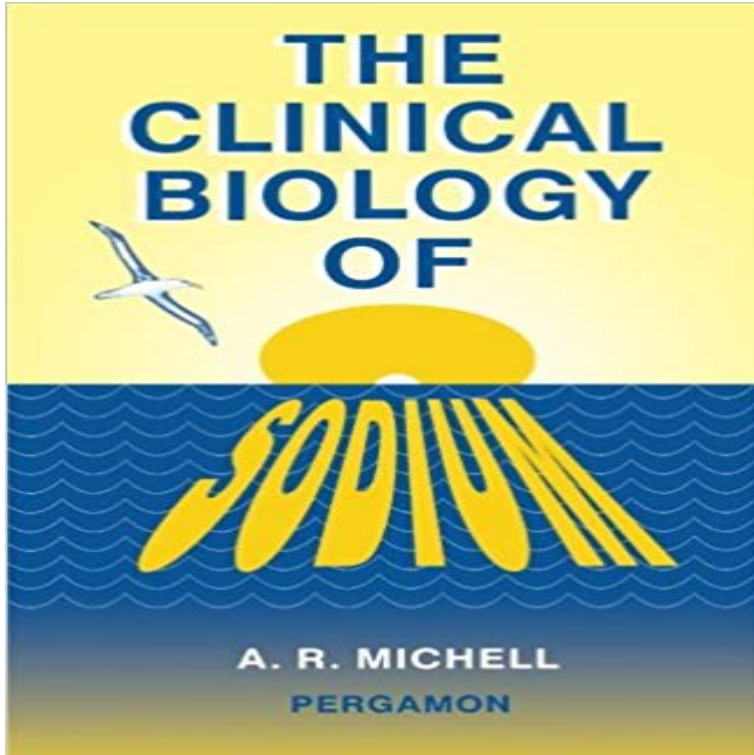


# The Clinical Biology of Sodium: The Physiology and Pathophysiology of Sodium in Mammals



A book for clinicians and basic scientists. The pathophysiology of sodium is central to the management of a wide range of clinical conditions, notably liver disease, renal disease, cardiac failure, hypertension (including hypertension in pregnancy), oedema, diarrhoea, hypovolaemia, shock, the behavioural effects of hyper- or hyponatraemia and various endocrine disorders. Intensive care and fluid therapy depend crucially on sound management of sodium balance. No single clinical discovery has saved more lives at less cost than the fact that the fundamental impact of diarrhoea rests on disturbances of enteric sodium balance: the ability to restore net uptake by oral rehydration has converted cholera from a killer to a home-nursing disease. Yet if we look at animals, as well as humans, we realise that the gut is not just a source of sodium disturbances but, perhaps, a major regulator of sodium balance. We also realise that unless h

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