Physiology of Adrenocortical Secretion

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Physiology of Adrenocortical Secretion

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This monograph is designed to provide a review of the physiological aspects of adrenal cortisol and corticosterone secretion. In the opening chapters an attempt is made to present a thorough survey of research findings on the resting and stress-induced adrenocortical secretion. The subsequent chapters are a concise review of the ever-expanding field of adrenal physiology, i.e. the circadian variations of plasma corticosteroid levels and the mechanisms which control the pituitary-adrenocortical secretory activity.

I have been fortunate enough to have spent a 10-year period in the Physiological Laboratory of Dr. Y. Satake and Dr. M. Wada in Tohoku University. My interest in the field of adrenal physiology was strongly stimulated by the above two outstanding professors, to whom I should like to express my sincere gratitude. I am indebted to all my colleagues in the Physiology Department of Nagasaki University for their invaluable support. I am especially indebted to Dr. T. Hirose and Mrs. K. Suzuki, my wife, for checking the list of references, compiling the subject and author indexes and proofreading the entire manuscript, and to Dr. H. Matsui for preparing all illustrations. I am also indebted
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