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This narrative review aims to summarize current insights into the pathophysiologic mechanisms and clinical implications of the renin–angiotensin–aldosterone system in critical illness. We focus on the issue of fludrocortisone supplementation in critical illness, as well as current understanding of the role of mineralocorticoid replacement in this group of patients.

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Glucocorticoid and mineralocorticoid receptor expression in critical illness: A narrative review

Vassiliou AG *et al.* GCR and MR in critical illness

Alice G Vassiliou, Nikolaos Athanasiou, Dimitra A Vassiliadi, Edison Jahaj, Chrysi Keskinidou, Anastasia Kotanidou, Ioanna Dimopoulou

Abstract

The glucocorticoid receptor (GCR) and the mineralocorticoid receptor (MR) are members

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General Adaptation in Critical Illness: Glucocorticoid ...

<https://www.frontiersin.org/articles/10.3389/fendo.2020.00161> ▾

In critical illness, homeostatic corrections representing the culmination of hundreds of millions of years of evolution, are modulated by the activated glucocorticoid receptor alpha (GRα) and are associated with an enormous bioenergetic and metabolic cost.

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- How do mineralocorticoid receptors work? ▾
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