

Insights into the Perspective Correlation between Vitamin D and Regulation of Hormones: Adrenal Hormones and Vasopressin

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SUMMARY. Beyond the classical regulatory actions of vitamin D on serum calcium levels, recent studies suggested a variety of non-skeletal actions of vitamin D on endocrine hormones including adrenal hormones. Therefore, in this review we aim to identify the correlation between vitamin D and adrenal hormones and vasopressin. Although many studies support vitamin D as a potential contributor for adrenal hormones and vasopressin levels, we could not find a solid evidence to support the administration of vitamin D supplements in patients associated with disorders of adrenal gland or vasopressin.

RESUMEN. Más allá de las acciones reguladoras clásicas de la vitamina D sobre los niveles de calcio sérico, estudios recientes sugirieron una variedad de acciones no esqueléticas de la vitamina D sobre las hormonas endocrinas, incluidas las hormonas suprarrenales. Por lo tanto, en esta revisión nuestro objetivo es identificar la correlación entre la vitamina D y las hormonas suprarrenales y la vasopresina. Aunque muchos estudios respaldan la vitamina D como un contribuyente potencial para las hormonas suprarrenales y los niveles de vasopresina, no pudimos encontrar una evidencia sólida para respaldar la administración de suplementos de vitamina D en pacientes asociados con trastornos de la glándula suprarrenal o vasopresina.

KEY WORDS: adrenal hormones, vasopressin, vitamin D.

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