The Role of Vitamin D in a Healthy Pregnancy

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Contacts:
Penny Smith +44 (0) 1243 770448 sciencenewsroom@wiley.com

For a pregnancy to proceed to term, early modulation of the immunologic response is required to induce tolerance to the fetus. Growing evidence suggests that vitamin D deficiency may affect this process and may play a part in recurrent pregnancy loss.

A new review in the American Journal of Reproductive Immunology sheds light on the immunological changes that occur in early pregnancy and the regulatory role vitamin D has in the maintenance of this delicate balance.

"It stands to reason that an immunocompetent mother would muster an immune response against the fetus. Nevertheless, in reality this does not occur due to various fetomaternal interactions which induce tolerance, of which the exact mechanism, though extensively studied, remains to be clarified," the authors wrote. "Recently, it has come to light that vitamin D may play an integral part in the induction and regulation of this critical immune tolerance process."

Additional Information


About Journal

The American Journal of Reproductive Immunology is an international journal devoted to the presentation of current information in all areas relating to Reproductive Immunology. The journal is directed toward both the basic scientist and the clinician, covering the whole process of reproduction as affected by immunological processes. The journal covers a variety of subspecialty topics, including fertility immunology, pregnancy immunology, immunogenetics, mucosal immunology, immunocontraception, endometriosis, abortion, tumor immunology of the reproductive tract, autoantibodies, infectious disease of the reproductive tract, and technical news.

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