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Vascular depression for radiology: A review of the construct, methodology, and diagnosis

Rushia SN *et al.* Vascular depression for radiology

Sara N Rushia, Al Amira Safa Shehab, Jeffrey N Motter, Dakota A Egglefield, Sophie Schiff, Joel R Sneed, Ernst Garcon

Abstract

Vascular depression (VD) as defined by magnetic resonance imaging (MRI) has been proposed as a unique subtype of late-life depression. The VD hypothesis posits that cerebrovascular disease, as characterized by the presence of MRI-defined white matter hyperintensities, contributes to and increases the risk for depression in older adults. VD

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CONCLUSION: In conclusion, the **systematic review** of the **validity** of **vascular depression** broadly supports this **concept**. However, further **studies** are needed to decipher the relationships between **depression** and **cerebrovascular disease**.

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Our **review** suggests that the evidence in support of a causal relationship between **depression** and **vascular disease**, and thus the validity of the **VaD construct**, is not consistent. Whilst strong associations exist, the agnostic ascription of **vascular disease** as causative in **LLD** is potentially misleading, particularly in light of emerging evidence for diverse and interrelated pathomechanisms.

Author: Lauren Taylor, Adith Mohan, Perminde... **Publish Year:** 2016

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Our data may indicate that **depression** in the context of **vascular dysfunction** or **VD** is a separate entity to **nonorganic depression**, both quantitatively and qualitatively. We postulate that the role of personality may be a component of the **disease process**.

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