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Risk factors associated with cognitions for late-onset depression based on anterior and posterior default mode sub-networks

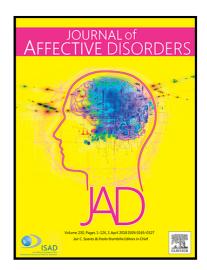
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#### ACCEPTED MANUSCRIPT

### **Highlights**

- The LOD group showed significant abnormal functional connectivity within anterior and posterior DMN sub-networks.
- The functional connectivity of vmPFC-MTG\_R, vmPFC-PCu\_L, and PCC-PCu\_L were found to be significant risk factors based on the two DMN sub-networks.
- Abnormal connectivities in anterior and posterior DMN sub-network may lead to depression and contribute to the impairment of processing speed and semantic memory.

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