



## Arterial stiffness and stroke in sickle cell disease

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Auteur	Belizna, C. [1], Loufrani, Laurent [2], Ghali, A. [3], Lahary, A. [4], Primard, E. [5], Louvel, J. P [6], Henrion, Daniel [7], Levesque, H. [8], Ifrah, Norbert [9]
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Résumé en anglais	BACKGROUND AND PURPOSE: Large vessels are also affected in sickle cell disease. The aim of this study was to assess several parameters in adult patients with sickle cell disease compared with control subjects and in patients with sickle cell disease with stroke. METHODS: Carotid arterial stiffness, intima-media thickness, and transcranial Doppler ultrasonography were measured. RESULTS: Arterial stiffness and transcranial Doppler velocity were significantly increased in 49 patients with sickle cell disease compared with 47 control subjects ( $P<0.05$ ) and especially in patients with stroke ( $P<0.05$ ). CONCLUSIONS: These data suggest that transcranial Doppler and arterial stiffness might be associated to stroke in adult patients with sickle cell disease.
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Titre abrégé	Stroke

### Liens

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