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Carboxy-terminal fragment of fibroblast growth factor 23 induces heart hypertrophy in sickle cell disease

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Contributions: All the authors contributed to this work as follows: Marie Courbebaisse, Jean-Antoine Ribeil, Jean-Benoit Arlet, and Aurélie Stanislas participated to the recruitment and the clinical investigation of the patients. Hind Mehel, Véronique Tuloup-Minguez, David Bergerat and Rodolphe Fischmeister performed the in vitro experiments. Laurent Sabbah performed the echocardiography. Jean-Claude Souberbielle performed the biochemical measurements Hervé Leclésiaux recruited the healthy volunteers of the control group. Gérard, Friedlander participated to the presentation and the discussion of the results. Dominique Prié designed the study, performed the FGF23 measurements, organized the clinical investigation of the patients, supervised the in vitro experiments, performed the analysis of the data and wrote the manuscript.