

# Myocardial work - a modern tool to detect possible compensation mechanism of deformation in infective myocarditis with preserved left ventricular function

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## Abstract

The main direction of left ventricular (LV) contraction is based on the different architecture of myocardial fibers. Thus, it can be assumed that the specific analysis of different compounds of LV deformation might be a crucial diagnostic tool in patients with infective myocarditis (IM). This case report focusses on conspicuous findings of regional LV deformation in a patient with IM and preserved LV systolic function. Despite unspecific clinical symptoms in IM, e.g. subfebrile temperatures, cough, palpitations, suspect findings of circumferential and rotational deformation can be helpful to initiate further diagnostic procedures to confirm the diagnosis, e.g. cMRI or myocardial biopsy.

## Case report – 832 (excluding title page, abstract, figure legends and references)

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