# Overcoming very late severe calcific stenosis due to two layers of under-expanded stents with intravascular lithotripsy treatment: a case report 

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#### Abstract

Under-expanded stents in calcific coronary stenoses are common challenge for interventional cardiologists as we undertake more complex coronary interventions for older population cohorts. It results in short-term and long-term stent failure and adverse patient outcomes. These complex lesions can be treated after many years with intravascular lithotripsy (IVL-Shockwave).


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