

# Transcatheter repair for patients with tricuspid regurgitation

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Severe tricuspid regurgitation is manifested by exercise intolerance, peripheral edema, jugular venous distention and hepatomegaly, often accompanied by atrial fibrillation or flutter. The diagnosis is established with echocardiography, and patient is evaluated with right-side heart catheterization as well.<sup>1</sup> TriClip is a transcatheter edge-to-edge repair system for reparation of severe tricuspid regurgitation that was approved in 2020. The procedure is performed using the TriClip G4 TEER system through femoral venous access under fluoroscopy and transesophageal echocardiography.<sup>2</sup> For the procedure, the patient is under general anesthesia. This method offers a minimally invasive treatment option in comparison to open-heart surgery. The patient's recovery is very short, the patient can walk the next day and very quickly returns to normal life. The procedure results with a significant reduction of symptoms in a short time and his quality of life improves drastically. The TriClip procedure was performed in Croatia for the first time in 2023 at University Hospital Centre Zagreb. The goal of this method is to improve the patient's quality of life with minimally invasive treatment of symptomatic, severe tricuspid regurgitation. There are possible complications such as bleeding, including local hematoma at the puncture site, allergic reaction to contrast or material, pulmonary embolism, etc. However, the benefits of this method greatly outweigh the possible risks.

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## LITERATURE

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2. Triclip™ transcatheter tricuspid valve repair system. [Internet]. 2024 [accessed Oct 09, 2024]. Available from: <https://www.structuralheart.abbott/products/transcatheter-valve-repair/triclip>