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Delayed papillary muscle rupture after radiofrequency ablation: A case report

Sun ZW *et al.* Delayed papillary muscle rupture after radiofrequency ablation

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Abstract

BACKGROUND

With an increased number of surgical procedures involving the mitral annular region, the risk of mitral valve prolapse (MVP) has also increased.. Previous studies reported worsening of MVP occurred early after radiofrequency ablation (RFCA) at papillary muscles in ventricular tachycardia (VT) patients with preoperative MVP.

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Follow-Up After Catheter Ablation of Papillary Muscles and ...

<https://www.sciencedirect.com/science/article/pii/S2405500X19305006>

Oct 01, 2019 · (A) The graph shows the effects of **ablation** on valvular regurgitation at and around the aortic valve, right ventricular **papillary muscle**, and left ventricular **papillary muscle**. Valvular regurgitation is measured by echocardiography before **ablation**, immediately **after ablation**, and at long-term follow-up.

Cited by: 2**Author:** Justin A. Edward, Matthew M. Zipse, Christ...**Publish Year:** 2019

Acute papillary muscle infarction and rupture in the ...

<https://academic.oup.com/ehjcr/article/3/4/1/5625097> ▾

Nov 13, 2019 · Introduction. **Papillary muscle rupture** most commonly occurs in the setting of myocardial infarction (MI), it has also been seen in the setting of myocarditis, infective endocarditis, and other disorders. 1 It has been described in only four cases in the puerperium: three cases were due to infarction of the **papillary muscle** and a single **case** was attributed to Ehler–Danlos syndrome. 1–3 It ...

Cited by: 1**Author:** Elizabeth Curtis, Michael Corkill, Nezar Ami...**Publish Year:** 2019

Ultrasonographic characteristics of thyroid nodule rupture ...

<https://europepmc.org/article/PMC/PMC7939223> ▾

The nodule **rupture** in our study occurred 14 to 30 days **after** MWA, and it has been reported in the **literature** that it usually occurred 7 to 90 days, or even 156 days **after ablation**. Based on the **rupture**

Papillary muscle

The papillary muscles are muscles located in the ventricles of the heart. They attach to the cusps of the atrioventricular valves via the chordae tendineae and contract to prevent inversion or prolapse of these valves on systole. The papillary muscles constitute about 10% of the total heart mass.



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Papillary Muscle Ventricular Tachycardia or Ectopy ...

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A few **case reports** have described worsening mitral regurgitation **following ablation**, and mechanisms may include PM dysfunction or catheter entrapment in the MV apparatus. 30,31 VF induction may occur during **radiofrequency** application at the moderator band or PMs, requiring external defibrillation, and a new right bundle branch block may develop postprocedure in 40% of patients with moderator band ...

PEOPLE ALSO ASK

- Can a papillary muscle rupture due to ischemia?
- What is papillary muscle abnormality?
- Where are the papillary muscles located in the LV?
- What is fibrosis of the papillary muscle?

Feedback

Transmitral Approach to Monopolar Radiofrequency Ablation ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2879218>

Among factors that can affect the **ablation** of arrhythmogenic tissue are a subendocardial location of the reentry circuit and an anatomic barrier to the macro-reentrant circuit involving the **papillary muscle**. 3 Therefore, monopolar **radiofrequency ablation** by a transatrial approach might be a useful adjunct in the treatment of ischemic patients ...

Cited by: 2 **Author:** Antonino S. Rubino, Francesco Onorati, Giu...
Publish Year: 2010

Ablation of Refractory Papillary Muscle Ventricular ...

<https://www.innovationsincrm.com/cardiac-rhythm...>

Conventional **ablation** techniques were unsuccessful. We incorporated adjunctive **ablation** techniques in this **case** that ultimately led to a successful outcome. The present discussion covers the roles of intracardiac echocardiography, induced apnea, and low-ionic irrigation. KEYWORDS. **Ablation, papillary muscle**, ventricular tachycardia.

[PDF] Successful catheter ablation of idiopathic ventricular ...

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ablation lesions and their size **after** RF catheter **ablation** of VT.7 In addition to intracardiac echocardiography, which confirmed that the successful **ablation** site was located at the top of the LV PPM near the chordae tendineae, CMR imaging with **delayed** enhancement **after ablation** in our **case** showed that the cauterized lesion was relatively super-

Catheter Ablation Related Mitral Valve Injury: The ...

<https://onlinelibrary.wiley.com/doi/abs/10.1111/jce.12439>

Apr 24, 2014 · Atsushi Mochizuki, Daigo Nagahara, Hirohito Takahashi, Rei Saito, Takefumi Fujito, Tetsuji Miura, Worsening of mitral valve regurgitation **after radiofrequency** catheter **ablation** of ventricular arrhythmia originating from a left ventricular **papillary muscle**, HeartRhythm Case Reports, 10.1016/j.hrcr.2017.01.003, 3, 4, (215-218), (2017).

(PDF) Catheter Ablation Related Mitral Valve Injury: The ...

<https://www.researchgate.net/publication/261842079...>

Edward et al. Valve Follow-Up **After Ablation** -2 0 and isolated **case** reports (9)(10) (11) (12) Ventricular arrhythmias arising from **papillary muscles** and valvular cusps often require extensive ...

Electrophysiological Substrates in Papillary Muscle ...

<https://www.touchcardio.com/arrhythmia/journal-articles/electrophysiological...>

Morphology change can be observed during **ablation** of **papillary muscle** VAs in 47% cases. 34 A morphology change observed during or **after** delivery of RFA burns suggests a shift in the preferential conduction along the length of the **papillary muscle** and exit of the PVC from a different site at the LV free wall, though the source continues to remain the same (Figure 3). The morphology of the newer PVC ...

Magnetic resonance imaging of the papillary muscles of the ...

<https://insightsimaging.springeropen.com/articles/10.1186/s13244-019-0761-3>

Aug 19, 2019 · **Rupture. Papillary muscle rupture** can be iatrogenic or caused by infarction or trauma. It is a rare (0.5–5.0%) but devastating sequela of **papillary muscle** infarction. **Papillary muscle rupture** is three times more common in the PM **muscle**, is the first coronary event in 80% , and may be seen with a small infarction in 50% .

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eral **papillary muscle**. (B) Electroanatomic map with 3D integration of the **papillary muscle** where the area of greatest precocity and QS unipolar morphology is observed. (C) Intracardiac ultrasound anatomy of the **muscle** and its integration in the map. Circumferential **ablation** applications are shown. (D) Steam pop during one of the applications in ...

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