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Rapid Right Ventricular Pacing for Balloon Valvuloplasty in Congen



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### Rapid right ventricular pacing is an alternative to ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1768411>

Conclusions: **Rapid right ventricular pacing** is a safe and effective method to provide **balloon stability during balloon dilatation** of the **aortic valve**. It may be applied in other fields of **catheter intervention** where it is desirable to maintain stable device positions during the ...

**Cited by:** 82 **Author:** I Daehnert, C Rotzsch, M Wiener, P Sch...  
**Publish Year:** 2004

### Rapid Right Ventricular Pacing with MR-compatible ...

<https://pubs.rsna.org/doi/10.1148/radiol.10091419>

Jun 01, 2010 · **Rapid right ventricular pacing** is a feasible and effective method with which to achieve **balloon stability** during **MR-guided aortic balloon valvuloplasty** in **swine** solely by using MR-compatible catheters and an MR-compatible pacemaker lead.

**Cited by:** 6 **Author:** Mirja Neizel, Nils Krämer, Florian Bönner...  
**Publish Year:** 2010

### How to achieve balloon stability in aortic valvuloplasty ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3232530>

**Balloon aortic valvuloplasty** is now the treatment of choice for **congenital aortic stenosis**. **Balloon stability** may be difficult to achieve and this may result in a suboptimal result or even **valve damage**. We describe the technique of **rapid ventricular pacing** as a safe and effective option for achieving **balloon stability** during **aortic valvuloplasty**.

**Cited by:** 5 **Author:** C. Mehta, S. Shebani, Victor E. Grech, J...  
**Publish Year:** 2004

### Congenital aortic stenosis: A novel technique for ...

<https://onlinelibrary.wiley.com/doi/pdf/10.1002/ccd.21695>

**Rapid ventricular pacing** was performed through back-up guidewires inserted into the left **ventricle for balloon** advancement and by an adhesive patch placed on the back of the patient. The



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**Name of Journal:** *World Journal of Cardiology*

**Manuscript NO:** 59117

**Manuscript Type:** SYSTEMATIC REVIEWS

**Rapid right ventricular pacing for balloon valvuloplasty in congenital aortic stenosis:  
A systematic review**

Mylonas KS *et al.* RRVP for balloon valvuloplasty

Konstantinos S. Mylonas, Ioannis A. Ziogas, Charitini S. Mylona, Dimitrios V. Avgerinos, Christos Bakoyiannis, Fotios Mitropoulos, Aphrodite Tzifa

**Abstract**

**BACKGROUND**

Balloon aortic valvuloplasty (BAV) is a well-established treatment modality for congenital aortic valve stenosis.

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
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
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
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
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Rapid right ventricular pacing for balloon valvuloplasty in congenit



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### Rapid right ventricular pacing for balloon aortic ...

<https://pubmed.ncbi.nlm.nih.gov/33021192>

**Rapid right ventricular pacing** can be expanded in neonates and infants to potentially decrease the incidence of **aortic** regurgitation and reintervention rates, hence avoiding high-risk surgical bail-out procedures for severe **aortic** regurgitation in ...

### Rapid right ventricular pacing is an alternative to ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1768411>

Conclusions: **Rapid right ventricular pacing** is a safe and effective method to provide **balloon stability during balloon dilatation** of the **aortic valve**. It may be applied in other fields of **catheter intervention** where it is desirable to maintain stable device positions during the ...

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Author: I Daehnert, C Rotzsch, M Wiener, P Sch...

Publish Year: 2004

### Congenital aortic stenosis: A novel technique for ...

<https://onlinelibrary.wiley.com/doi/pdf/10.1002/ccd.21695>

**Rapid ventricular pacing** was performed through back-up guidewires inserted into the **left ventricle** for **balloon advancement** and by an adhesive patch placed on the back of the patient. The technique was performed during BAV procedure in all of 15 consecutive children diagnosed as **congenital aortic stenosis**.

Cited by: 17

Author: Tefik Karagöz, Ebru Aypar, İlkey Erdoğ...

Publish Year: 2008

### Rapid Ventricular Pacing for Catheter Interventions in ...

<https://onlinelibrary.wiley.com/doi/full/10.1111/j.1540-8183.2009.00521.x>

**Rapid ventricular pacing** is a safe and effective method to provide transient decrease in **cardiac output** at the time of **balloon valvuloplasty** of the **aortic valve**. This achieves **balloon stability** to optimize the desired hemodynamic result while at the same time reduces the possibility of potential damage to the **stenosed valve and myocardium**.