

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Clinical Cases

**Manuscript NO:** 43069

**Title:** Biventricular pacing for treating heart failure due to long-term right ventricular pacing in children: a case report and literature review

**Reviewer's code:** 01023085

**Reviewer's country:** Spain

**Science editor:** Ying Dou

**Date sent for review:** 2018-11-21

**Date reviewed:** 2018-12-03

**Review time:** 11 Days

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input checked="" type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input checked="" type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input checked="" type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

### SPECIFIC COMMENTS TO AUTHORS

This is an interesting case report. Atrioventricular block is a common bradyarrhythmia in childhood, which can be either congenital or acquired. CRT enhances left ventricular pacing on the basis of dual-chamber pacing in the right atrium and right ventricle,



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thereby restoring cardiac synchrony, improving cardiac function and quality of life, and reducing hospitalization and mortality. However, current guidelines are based on adults, which do not enroll pediatric patients for recommendation of CRT, making it more difficult to accurately assess its curative effects. Moreover, the physiological characteristics of children cause higher risk in surgery compared with adults. In this manuscript, the authors implemented biventricular pacing in a child with heart failure who had a left ventricular ejection fraction of  $< 35\%$  at 4 years after implantation of an atrioventricular sequential pacemaker due to atrioventricular block. And finally, the cardiac function of the child improved significantly after upgrading the pacemaker. 1. Title reflects the main subject of the manuscript. 2. The abstract is clear and summarizes the work described in the manuscript. 3. The case presentation is clear and in detail. 4. Treatment and follow up is clear, and well described. 5. Discussion is excellent. 6. Conclusion is appropriate. 7. Manuscript requires a minor editing, as there are some minor language polishing.

## INITIAL REVIEW OF THE MANUSCRIPT

### *Google Search:*

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☒ No

### *BPG Search:*

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism



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**Name of journal:** World Journal of Clinical Cases

**Manuscript NO:** 43069

**Title:** Biventricular pacing for treating heart failure due to long-term right ventricular pacing in children: a case report and literature review

**Reviewer's code:** 03013758

**Reviewer's country:** United States

**Science editor:** Ying Dou

**Date sent for review:** 2018-11-21

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<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
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<input checked="" type="checkbox"/> Grade C: Good	polishing	<input checked="" type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input checked="" type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
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			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

### SPECIFIC COMMENTS TO AUTHORS

Very interesting case report about biventricular pacing for treating heart failure due to long-term right ventricular pacing in children. The manuscript is well written, and the case is discussed well. I suggest to accept the manuscript, and no specific comments.



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## PEER-REVIEW REPORT

**Name of journal:** World Journal of Clinical Cases

**Manuscript NO:** 43069

**Title:** Biventricular pacing for treating heart failure due to long-term right ventricular pacing in children: a case report and literature review

**Reviewer's code:** 03013982

**Reviewer's country:** United States

**Science editor:** Ying Dou

**Date sent for review:** 2018-11-21

**Date reviewed:** 2018-12-03

**Review time:** 11 Days

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			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

### SPECIFIC COMMENTS TO AUTHORS

This case aimed to implement biventricular pacing in one child with heart failure who had a left ventricular ejection fraction of < 35% at 4 years after implantation of an atrioventricular sequential pacemaker due to atrioventricular block. And the cardiac



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function of the child improved significantly after upgrading the pacemaker. This case may give the clinicians some important guide for treat the similar patients. Some minor language polishing should be revised.

#### **INITIAL REVIEW OF THE MANUSCRIPT**

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