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## ESPS PEER-REVIEW REPORT

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

**ESPS manuscript NO:** 27677

**Title:** Very late transcatheter heart valve thrombosis

**Reviewer's code:** 00214291

**Reviewer's country:** Germany

**Science editor:** Shui Qiu

**Date sent for review:** 2016-06-16 20:04

**Date reviewed:** 2016-06-17 00:40

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	Google Search:	<input type="checkbox"/> Accept
<input type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<input checked="" type="checkbox"/> High priority for publication
<input checked="" type="checkbox"/> Grade C: Good		<input type="checkbox"/> Duplicate publication	
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Plagiarism	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade E: Poor	<input type="checkbox"/> Grade D: Rejected	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Minor revision
		BPG Search:	<input type="checkbox"/> Major revision
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

### COMMENTS TO AUTHORS

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## ESPS PEER-REVIEW REPORT

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

**ESPS manuscript NO:** 27677

**Title:** Very late transcatheter heart valve thrombosis

**Reviewer's code:** 00214240

**Reviewer's country:** Belgium

**Science editor:** Shui Qiu

**Date sent for review:** 2016-06-16 20:04

**Date reviewed:** 2016-06-19 16:52

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	Google Search:	<input checked="" type="checkbox"/> Accept
<input type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<input type="checkbox"/> High priority for publication
<input checked="" type="checkbox"/> Grade C: Good		<input type="checkbox"/> Duplicate publication	
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Plagiarism	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade E: Poor	<input type="checkbox"/> Grade D: Rejected	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Minor revision
		BPG Search:	<input type="checkbox"/> Major revision
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

### COMMENTS TO AUTHORS

interesting case report on a new clinical problem this case is illustrative and gives additional information on the potential course of TAVR thrombosis how was the left main at the time of the implantation of the valve? this rapid evolution of the left main stenosis is intriguing. did you have IVUS imaging before or after stenting?



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## ESPS PEER-REVIEW REPORT

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

**ESPS manuscript NO:** 27677

**Title:** Very late transcatheter heart valve thrombosis

**Reviewer's code:** 00211908

**Reviewer's country:** Netherlands

**Science editor:** Shui Qiu

**Date sent for review:** 2016-06-16 20:04

**Date reviewed:** 2016-06-19 19:28

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	Google Search:	<input type="checkbox"/> Accept
<input checked="" type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<input checked="" type="checkbox"/> High priority for publication
<input type="checkbox"/> Grade C: Good		<input type="checkbox"/> Duplicate publication	
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Plagiarism	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade E: Poor	<input type="checkbox"/> Grade D: Rejected	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Minor revision
		BPG Search:	<input type="checkbox"/> Major revision
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

### COMMENTS TO AUTHORS

The video's could not be played. The link was not available. Minor errors: Page 5: line 4: Please consider " after" instead of " avec" . Page 5: line 9: Please replace rivoroxaban with rivaroxaban. There are no other comments on the manuscript.

## ESPS PEER-REVIEW REPORT

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

**ESPS manuscript NO:** 27677

**Title:** Very late transcatheter heart valve thrombosis

**Reviewer's code:** 03191470

**Reviewer's country:** Canada

**Science editor:** Shui Qiu

**Date sent for review:** 2016-06-16 20:04

**Date reviewed:** 2016-06-24 03:23

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	Google Search:	<input type="checkbox"/> Accept
<input type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<input type="checkbox"/> High priority for publication
<input checked="" type="checkbox"/> Grade C: Good		<input type="checkbox"/> Duplicate publication	
<input type="checkbox"/> Grade D: Fair	<input checked="" type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Plagiarism	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade E: Poor		<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Minor revision
	<input type="checkbox"/> Grade D: Rejected	BPG Search:	<input type="checkbox"/> Major revision
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

### COMMENTS TO AUTHORS

Interesting case report The manuscript will need some language polishing: (...)TEE and 4D CT scan early "avec" THV implantation; should be a heightened clinical awareness, 64 years-old woman, they have remained unchanged after nine months etc... The authors may wish to mention other ongoing studies on anti platelet-antithrombotic regimen after TAVR (beside the GALILEO trial): The ARTE trial, POPular-TAVI, REAC-TAVI, Atlantis study... The reported incidence of THV thrombosis in the manuscript by Latib et al in Circ CV Interv is 0.61% (not 0.65%) The authors mention that cardiac CT scan may be the optimal diagnostic test for THV thrombosis. Is this really the case? Reference 4 does not necessarily support this statement. Please justify

## ESPS PEER-REVIEW REPORT

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

**ESPS manuscript NO:** 27677

**Title:** Very late transcatheter heart valve thrombosis

**Reviewer's code:** 00227677

**Reviewer's country:** Uruguay

**Science editor:** Shui Qiu

**Date sent for review:** 2016-06-16 20:04

**Date reviewed:** 2016-06-25 07:33

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	Google Search:	<input type="checkbox"/> Accept
<input checked="" type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<input type="checkbox"/> High priority for publication
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<input type="checkbox"/> Grade E: Poor	<input type="checkbox"/> Grade D: Rejected	<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Minor revision
		BPG Search:	<input type="checkbox"/> Major revision
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

### COMMENTS TO AUTHORS

The authors describe a very late transcatheter aortic valve replacement (TAVR) thrombosis with favorable evolution after anticoagulation. This is a very interesting report and reinforces that all patients undergoing TAVR should be monitored for incremental increases in transvalvular mean gradient by TTE and places "in the eye of the storm" the need to define a specific antithrombotic regimen post-TAVR to reduce the risk of incident valve hemodynamic deterioration (VHD). I have some comments. Please report which kind of Sapien valve was implanted to the patient. I suppose you implanted Sapien XT using the NovaFlex delivery system since Sapien 3 with commander delivery system was developed since 2013. (Prog CV Dis 2014; 56:583-95). Sapien 3 valve have significantly lower paravalvular leak (PVL) due to its outer skirt and longer frame height. Please clarify. The causal relationship between moderate PVL and transcatheter heart valve thrombosis is quite speculative. I recommend to include a very recently paper and its editorial that analyze the incidence timing and predictors of VHD after TAVR in 1521 pts (JACC 2016; 67:644-55 and 656-8). Del Trigo et al reported that there was a mild but significant increase in transvalvular gradients over time after TAVR (0.3±4.99 mmHg/year). The lack of anticoagulation therapy, a greater body mass index (>



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27 kg/m<sup>2</sup>) and the use of a 23-mm transcatheter valve were associated with higher rates of VHD post-TAVR. Please reformulate the discussion in the light of this very recently paper. Additional comments: remove "avec" in the first paragraph of the last page. Add the reference of the GALILEO trial.