

## Letter to the Editor

**Galectin-3, Carbohydrate Antigen 125 and Transcatheter Aortic Valve Implantation*****Galectina 3, antígeno carbohidrato 125 e implante percutáneo de prótesis aórtica*****To the Editor,**

We read the publication Differential Prognostic Value of Galectin-3 According to Carbohydrate Antigen 125 (CA125) Levels in Transcatheter Aortic Valve Implantation with a great interest.<sup>1</sup> Rheude et al. concluded that “In patients undergoing TAVI, Gal-3 predicts adverse clinical outcomes, but only in the presence of elevated CA125 values.”<sup>1</sup> In fact, galectin-3 is a new biomarker that has been reported to be useful in diagnosing cardiac disorders as well as other medical problems (such as cancer and endocrine disorders).<sup>2,3</sup> Several pathological conditions can result in abnormal galectin-3 levels. In the present report, it is not possible to rule out any other concomitant medical disorders. The interesting question concerns the source of elevated carbohydrate antigen 125 levels in some cases. Carbohydrate antigen 125 might increase in some patients with heart failure<sup>4</sup> but it can also increase in several conditions in women, such as ovarian tumors and endometriosis. To enhance the diagnostic capability of carbohydrate antigen 125 in cardiac problems, a recent report showed that coinvestigating for copeptin level is useful.<sup>5</sup>

Beuy Joob<sup>a,\*</sup> and Viroj Wiwanitkit<sup>b</sup><sup>a</sup>Medical Center Unit, Medical Academic Center, Bangkok, Thailand<sup>b</sup>Department of Biological Science, Joseph Ayobabalola University, Ikeji-Arakeji, Nigeria

\* Corresponding author:

E-mail address: [beuyjoob@hotmail.com](mailto:beuyjoob@hotmail.com) (B. Joob).

Available online 7 February 2019

**REFERENCES**

1. Rheude T, Pellegrini C, Núñez J, et al. Differential Prognostic Value of Galectin-3 According to Carbohydrate Antigen 125 Levels in Transcatheter Aortic Valve Implantation. *Rev Esp Cardiol.* 2019;72:907–915.
2. Gudowska M, Chrostek L. Diagnostic role of galectin-3. *Pol Merkur Lekarski.* 2014;37:348–352.
3. Dong R, Zhang M, Hu Q, et al. Galectin-3 as a novel biomarker for disease diagnosis and a target for therapy (Review). *Int J Mol Med.* 2018;41:599–614.
4. Llàcer P, Bayés-Genís A, Núñez J. Carbohydrate antigen 125 in heart failure. *New era in the monitoring and control of treatment Med Clin (Barc).* 2018. <http://dx.doi.org/10.1016/j.medcli.2018.08.020>.
5. Ding Y, Wang Q, Yang Y, Wang L. Diagnostic value of copeptin and cancer antigen 125 in acute heart failure patients with atrial fibrillation and their correlations with short-term cardiovascular events. *Zhonghua Wei Zhong Bing Ji Jiu Yi Xue.* 2018;30:1024–1028.

SEE RELATED CONTENT:

<https://doi.org/10.1016/j.rec.2018.09.006><https://doi.org/10.1016/j.rec.2019.01.003>

1885-5857/© 2019 Sociedad Española de Cardiología. Published by Elsevier España, S.L.U. All rights reserved.