

Serious complications associated with regadenoson administration for myocardial perfusion imaging

To the Editor,

The Editorial by Hage and Iskandrian¹ regarding “Serious complications associated with regadenoson administration for myocardial perfusion imaging: A commentary” (September/October 2014 issue) includes a table as a guide for serious complications associated with regadenoson administration. In the table, the authors reported whether or not each listed event occurs with exercise and/or adenosine and that seizures have not been reported with adenosine. Astellas has received spontaneous post-marketing reports of seizures in patients administered adenosine, and the package insert for Adenoscan® was updated in 2005 to reflect these reports. The current package insert includes “seizure” in the Warnings section.² In addition, there is one published case report of bradyasystole and seizures associated with the use of adenosine to terminate supraventricular tachycardia.³ Astellas would like to clarify that seizures can occur following the administration of adenosine, and prescribers should be aware of this risk and prepared to treat if necessary.² The use of methylxanthines (e.g., caffeine, aminophylline, and theophylline) is not recommended in patients who experience seizures in association with adenosine and regadenoson.²

Disclosures *Therese Kitt and Jeanette Jiang are employees of Astellas Scientific & Medical Affairs, Inc.*

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References

1. Hage FG, Iskandrian AE. Serious complications associated with regadenoson administration for myocardial perfusion imaging: A commentary. *J Nucl Cardiol* 2014;21:877-9. <http://www.ncbi.nlm.nih.gov/pubmed/25156654?dopt=Citation>.
2. Adenoscan [package insert]; Northbrook, IL: Astellas, Inc. <http://www.astellas.us/docs/adenoscan.pdf>.
3. Webster DP, Daar AA. Prolonged bradyasystole and seizures following intravenous adenosine for supraventricular tachycardia. *Am J Emerg Med* 1993;11:192-4. <http://www.ncbi.nlm.nih.gov/pubmed/8476467?dopt=Citation>.

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