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This is the TSDA Weekly Curricula E-mail for the **week of December 31, 2007.**

CORE CURRICULUM

Note: There are no video talks this week. Please review suggested readings listed below. All are in important journals you should be aware of and following. If you do not have access to these journals, print this e-mail and take it to your institution's reference librarian who should be happy to help you make copies of the articles.

Cardiac: Ischemic Mitral Regurgitation

Ischemic cardiomyopathy with functional mitral regurgitation (MR) is a complicated pathophysiological process. It carries a markedly worse prognosis than degenerative MR, largely related to pre-existing co-morbidities. Current important questions include:

- When is repair of functional MR indicated during CABG for ischemic disease?
- Can long-term post-operative outcomes after mitral repair be evaluated in the absence of specific control of concomitant medical treatment, i.e. unloading (ACE-inhibitors, ARBS), rate control (beta-blockers), and coronary vessel wall inflammation (statins)?

SUGGESTED READINGS

1. An excellent current review of the problem.

[Physiologic Basis for the Surgical Treatment of Ischemic Mitral Regurgitation](#), by Farzan Filsoufi, MD, Parwis B. Rahmanian, MD, Anelechi Anyanwu, MD, David H. Adams, MD, *The American Heart Hospital Journal*, 2006;4:261-268.

(See your Program Director or your reference librarian if you do not have access to the Fall 2006 issue of *The American Heart Hospital Journal*.)

2. Moderate to severe functional ischemic MR involves more than the annulus.

[Impact of Mitral Valve Annuloplasty Combined With Revascularization in Patients With Functional Ischemic Mitral Regurgitation](#), by Tomislav Mihaljevic, MD, Buu-Khanh Lam, MD, Jeevanantham Rajeswaran, MSC, Masami Takagaki, MD, Michael S. Lauer, MD, A. Marc Gillinov, MD, Eugene H. Blackstone, MD, Bruce W. Lytle, MD; *Journal of the American College of Cardiology*, 2007;49:2191-201.

(See your Program Director or your reference librarian if you do not have ready access to the June 2007 issue of *Journal of the American College of Cardiology*.)

3. Editorial comment pertaining to article 2 above, and the problem in general.

[Adding Mitral Valve Annuloplasty to Surgical Revascularization Does Not Benefit Patients With Functional Ischemic Mitral Regurgitation](#), by Robert H. Jones, MD, FACC, *Journal of the American College of Cardiology*, 2007; 49:2202-3.

(See your Program Director or your reference librarian if you do not have access to the June 2007 issue of the *Journal of the American College of Cardiology*.)

4. Even mild/moderate ischemic MR significantly affects long-term survival, again largely related to pre-existing co-morbidities. The question is posed: Will repairing the valve during CABG improve outcome?

[Impact of Moderate Functional Mitral Insufficiency in Patients Undergoing Surgical Revascularization](#), by Eugene A. Grossi, MD, Gregory A. Crooke, MD, Paul L. DiGiorgi, MD, Charles F. Schwartz, MD, Ulrich Jorde, MD, Robert M. Applebaum, MD, Greg H. Ribakove, MD, Aubrey C. Galloway, MD, Juan B. Grau, MD, Stephen B. Colvin, MD, in *Circulation*, 2006;114[suppl I]:I-573–I-576.

(See your Program Director or your reference librarian if you do not have ready access to the July 2006 issue of *Circulation*.)

5. An echocardiographer's perspective and encyclopedic review of recent research.

[Ischemic Mitral Regurgitation on the Threshold of a Solution: From Paradoxes to Unifying Concepts](#), by Robert A. Levine, MD; Ehud Schwammenthal, MD, PhD, *Circulation*, 2005;112:745-758.

(See your Program Director or your reference librarian if you do not have ready access to the August 2005 issue of *Circulation*.)

TSDA NEWS

- Regular TSDA Weekly Curricula E-mails will resume on January 3 for the week of January 7, 2008. The topics for that week will be Ischemic Mitral Disease and Tracheobronchoplasty.
- If you have suggestions for improving or enhancing the TSDA Weekly Curricula E-mails, please contact Nancy Puckett at npuckett@tsda.org.

Happy New Year!

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