



**18<sup>TH</sup> ANNUAL CANADIAN ECHO WEEKEND  
APRIL 7-9, 2016  
TORONTO, ON**

**Session Title: ROLE OF STRESS ECHO: a safe, reliable and readily available diagnostic modality**

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**OBJECTIVES:** What questions or points will participants learn or discuss?

- 1. What are the indications of stress echocardiography in patients having chest pain?**

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- 2. What are the stress protocols used and their safety?**

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- 3. How can we interpret and increase validity of stress echocardiography using novel parameters such as strain analysis?**

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**DISCUSSION:** Please provide a summary of the discussion and/or include 3 to 6 key presentation slides.

**You will find enclosed key presentations slides.**

**CONCLUSIONS:**

- 1. Stress echocardiography is indicated in patients with intermediate or high pretest probability or in those with low probability if ECG is not interpretable or patient unable to exercise**

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- 2. Exercise using treadmill or ergocycle and dobutamine in patients unable to exercise or for viability assessment can be safely used**

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- 3. Standard stress echocardiography can diagnosis CAD with a sensitivity of 79% and a specificity of 84%, comparable to SPECT without radiation. Strain analysis can increase the sensibility to 89% without decreasing the specificity (89%).**

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**REFERENCES:** (journals, websites, etc.)

**J Am Soc Echocardiogr 2011;24:229-67**

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**Eur Heart J 2009;30:278-289**

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**J Am Soc Echocardiogr 2007;20:1021-41**

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**Can J Cardiol 2014;30:837-49**

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**Eur Heart J 2007;28:1425-32**

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**Am Heart J 2009;158:836-44**