

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

**Session Title: 3D TEE – mitral valve and more**

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

**Demonstrate the benefice of 3D-TEE:**

1. **To provide important information relevant to surgical repair in patients with severe organic mitral regurgitation (MR)**

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2. **To identify pattern and ameliorate quantification by PISA in patients with functional/secondary MR**

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3. **To plan and guide procedure for MitraClip implantation and paravalvular leak closure**

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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. **The “en face” view is identical to the surgical view in the operating room and allows a better evaluation to plan surgery in organic MR**

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2. **In functional MR, the shape of PISA is usually ellipsoidal and the severity can be underestimated. The use of 3D VCA method improves accuracy of MR grading compared with the 2D PISA method by eliminating geometric assumptions**

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3. **3D TEE improve guidance for MitraClip implantation and paravalvular leak closure**

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

**J Am Soc Echocardiogr 2012;25:3-46**

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**Circ Cardiovasc Imaging 2011;4:506-13**

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**Eur Heart J 2011;32:2189-2214**

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