**Regularly Scheduled Series**

**Cardiovascular Grand Rounds**

**Department of Medicine/Cardiovascular Section**

**Course No. 22D31**

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**“Pregnancy-Associated Aortic Complication Risk in Marfan Syndrome”**





**Presented by:**

**Mary J. Roman, MD Nupoor Narula, MD, MSc, RPVI** Professor of Medicine Assistant Professor of Medicine

Weill Cornell Medicine Weill Cornell Medicine

Division of Cardiology Division of Cardiology

**Professional Practice Gaps:** The magnitude of risk of vascular complications in women with Marfan Syndrome (MFS) undergoing pregnancy was previously limited by lack of knowledge of diagnosis pre-partum, limited case series resulting in publication bias with over-estimation of aortic complications, lack of standardized criteria for the diagnosis of MFS, and absence of systematic and comprehensive peri-partum imaging data. Based on the prior body of literature, the U.S. and European guidelines for the management of pregnancy in MFS have differed. Our recently published work addresses these gaps in literature and guideline discrepancies by describing a large, single-center cohort of MFS women whose pregnancies have been followed serially with detailed clinical evaluation and peri-partum imaging.

**Learning Objectives:**  Upon completion of this session, participants will improve their competence and performance by being able to:

1. Summarize the disparate U.S. and European guidelines for the management of pregnancy in Marfan Syndrome (MFS).
2. Describe the risk factors for pregnancy-associated types A and B dissection in women with MFS.
3. Apply understanding of pregnancy-associated aortic complication risk to counseling women with MFS desiring pregnancy.

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**Accommodation Statement:** For accommodation, contact Debi Green @ [debi-green@ouhsc.edu](mailto:debi-green@ouhsc.edu) or Pam Tomey @ [pam-tomey@ouhsc.edu](mailto:pam-tomey@ouhsc.edu).

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|  | | | **Nature of the Financial Relationship** | | |
| **Role(s)** | **First Name** | **Last Name** | **Ineligible Company** | **What Was Received** | **For What Role?** |
| Course Contact | Candice L. | Edwards | I have no financial relationships or affiliations with ineligible companies to disclose. | | |
| Planning Committee | Carol L. | Davenport, MSN, RN-BC, NPD-BC, NPD-BC | I have no financial relationships or affiliations with ineligible companies to disclose. | | |
| Course Contact | Debi L. | Green | I have no financial relationships or affiliations with ineligible companies to disclose. | | |
| Planning Committee | Ethan A. | Hacker, MD | I have no financial relationships or affiliations with ineligible companies to disclose. | | |
| Planning Committee/  Moderator | Dwight W. | Reynolds, MD | Medtronic | Honorarium, Research Support | Consultant, Research Studies |
| **Planner:** The conflict was resolved by Dr. Reynolds agreeing to recuse himself from planning content in the conflicted area.  **Moderator:** The conflict was resolved by Dr. Reynolds agreeing to limit his role to the introduction of presenters, fielding questions, and moderating the flow of discussion between participants and presenters. | | | | | |
| Presenter | Narula | Nupoor, MD, MSc, RPVI | I have no financial relationships or affiliations with ineligible companies to disclose. | | |
| Presenter | Mary J. | Roman, MD | I have no financial relationships or affiliations with ineligible companies to disclose. | | |
| Course Director/ Presenter/Moderator | CA | Sivaram, MD | I have no financial relationships or affiliations with ineligible companies to disclose. | | |