




**HEART FAILURE  
ASSOCIATION OF INDIA**

**QUIZ 3  
April 2021**



# Quiz of the Month Series

Win attractive prizes.

**5000 INR for the Winner**

**Last date of submission  
April 30th 2021**

## **Rules of the Quiz.**

1. This is a movie and image based quiz. They are related to heart failure will be followed by the queries
2. The participant should give the correct answer and provide explanation for that answer in 50 words.
3. The Quiz Master will select the First person who had given the correct answer with the correct explanation (Depending on the time received in our server).
4. The decision of the Quiz master is final and no further deliberations in any form are allowed.
5. The winner will get a digital certificate and a Cash Prize of 5000 INR.



The Quiz of April 2021 is by **Dr Krishna Kumar. M**

Dr Krishna Kumar. M graduated from Government Medical College, Trivandrum and had MD in Internal medicine from the same medical school. He got enrolled in the DM Cardiology program of Sree Chitra Tirunal Institute of Medical Sciences and Technology, Trivandrum (SCTIMST) and subsequently completed his postdoctoral fellowship in Cardiac Electrophysiology and Pacing from there. He then did clinical fellowship in Cardiac Electrophysiology from University of Toronto, Canada. Subsequently he joined SCTIMST as faculty in the department of Cardiology in 2014 and is currently working as Associate professor. He is actively involved in teaching and clinical research and has more than 100 PUBMED indexed publications.

# QUIZ 3

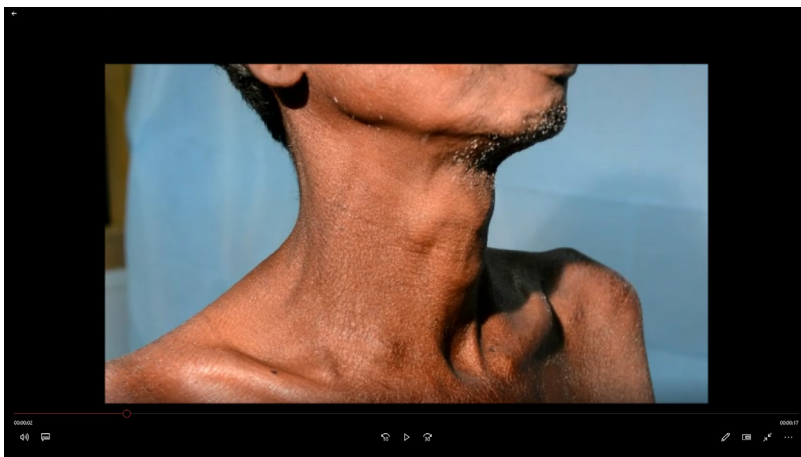
APRIL 2021

A 50-year-old gentleman presented with history of progressive shortness of breath of NYHA class II – III severity, tiredness and bilateral leg swelling of 6 months duration. Physical examination revealed an irregularly irregular pulse of 110 beats per minute and a blood pressure of 100/70 mm of Hg.

A clinical sign is demonstrated in movie 1. A cardiac catheterization was performed after stabilization.

What is your interpretation regarding the clinical sign [Movie 1] and the right atrial wave form obtained on catheterization [Figure: 1]?

## Movie 1

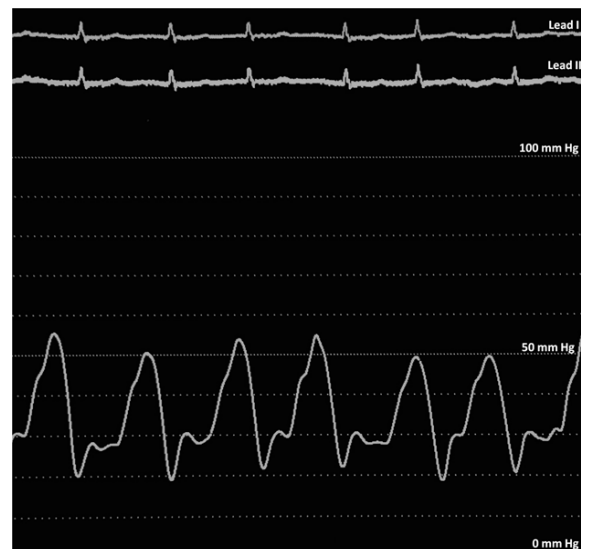


To see the video click on the link

[CLICK HERE](#)



## Figure 1



The answer should be sent to the email - [hfaioffice@gmail.com](mailto:hfaioffice@gmail.com)

The winners will be contacted by our office. Please give your contact telephone number and address in the email.

# December 2020 - Answer and the Winner

A 21 year old previously healthy woman presented with history of shortness of breath of NYHA class 2-3 severity, tiredness and mild postural dizziness of 2 days duration . Physical examination revealed a heart rate of 130 beats per minutes, stable blood pressure of 90/60 mm of Hg. She had features of mild heart failure with an elevated jugular venous pressures of 8 cms in the sitting position, muffled heart sounds with a 3rd sound gallop and bilateral basilar rales. 12 lead ECG is take at admission shown in Fig 1. An Echocardiogram performed is shown in Movie Clip 1.

She underwent a definitive interventional procedure and the post ECG and Echo are given in Panel 2.(Figure 2 and Movie Clip 2)

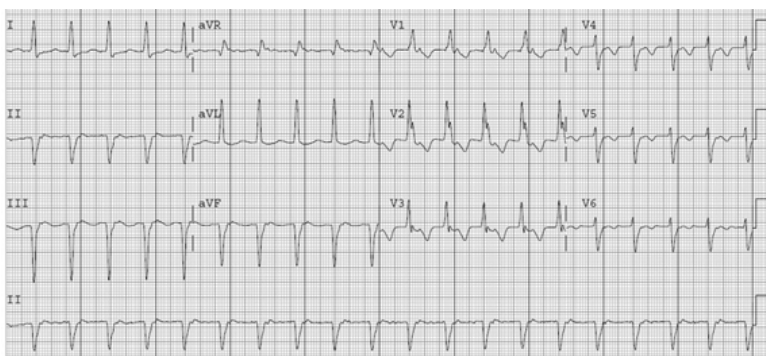
The Quiz of December 2020 is by Dr. Syamkumar Divakara Menon, who is Director, Adult Cardiac Electrophysiology Fellowship Program Arrhythmia services, Hamilton Health Sciences, Mc Master University, Hamilton, ON, Canada



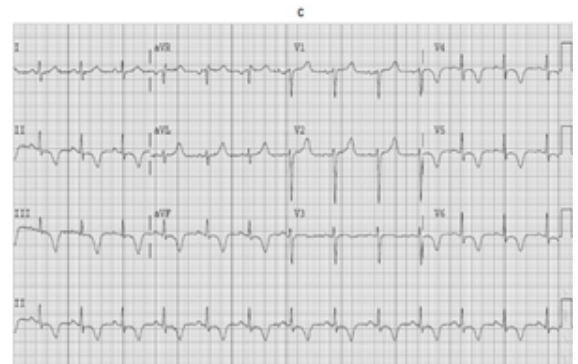
**What is the most likely diagnosis and the likely intervention performed?**  
Substantiate your answer with facts and findings from the available images and ECGs. ( 50 words)

The answer should be sent to the email - [hfaioffice@gmail.com](mailto:hfaioffice@gmail.com)

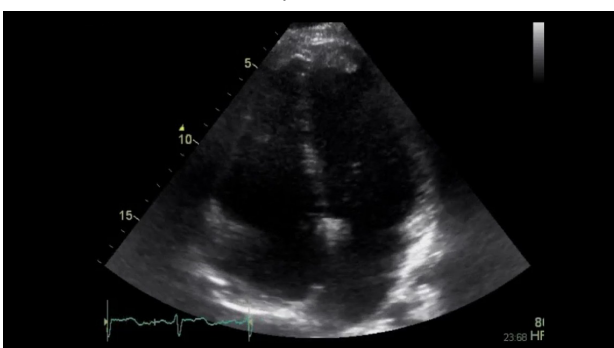
*Fig 1: ECG at admission*



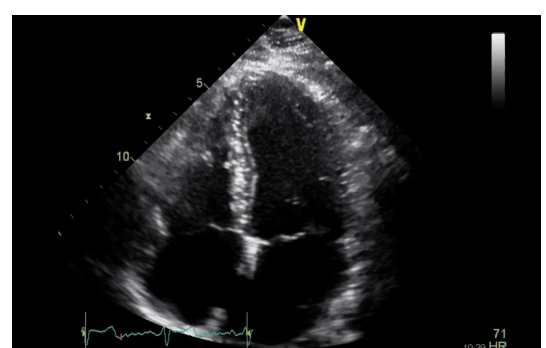
*Figure 2 - ECG Post intervention*



*Apical 4 Chamber view*



*2 weeks after Post intervention*



## ANSWER TO THE QUIZ:

Idiopathic fascicular tachycardia and tachycardia induced cardiomyopathy.

Even though radiofrequency ablation (RFA) is the treatment of choice , presence of an LV clot is a contraindication.

The Correct answer in this case is medical management with IV Verapamil followed by oral Verapamil, anticoagulation and RFA once the clots resolve.



### **The winner is Dr Neeraj Desai.**

MD(Medicine). Completed DNB Cardiology training from Holy Family Hospital , Mumbai, awaiting final exam.

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**[www.hfai.co.in](http://www.hfai.co.in)**

Answer our monthly quiz and win prizes

