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GLOBAL EXPERTS, LOCAL LEARNING
Case Study

Presenters:
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Patient

• Gender: Male
• Age: 39
• Occupation: Production Supervisor
• Religion: Catholic
• Civil Status: Married
History of the current illness

• He presents with dyspnea and orthopnea over past seven days.
• Denies chest pain. Has had palpitations on and off for the past two weeks. No fever or cough. He has been taking all of his medications.
**Background**

- **Allergies:** No known drug allergies (NKDA).
- **Tobacco history:** Smoked 2 packs a month; quit when he was diagnosed with pre-diabetes.
- **Alcohol history:** Drinks 2 beer a week.
- **Family history:** Mother “tachyarrhythmia” carrier of a bicameral pacemaker; father deceased (age 70, colon cancer); 1 brother SVT
Past medical history:

- Appendicectomy 20 years ago
- LBBB dx 7 years ago in a medical check-up no other abnormalities
- Pre-syncope single episode 6 years ago
- Fasting glucose intolerance (prediabetes) and hyperlipidemia managed according to guidelines dx 5 years ago
- Atrial flutter dx 5 years ago treated with elective cardioversion (atrial thrombi discarded by TEE), converted to sinus rhythm.
- Last reported electrocardiogram (January 2017) 1st degree AV block and LBBB.
Medications:

• Aspirin 100mg qd
• Ezetimibe/Simvastatine 10/20mg qd
• Metformin XR 500mg qd
The remainder of his examination is completely normal with no clinical evidence of right- or left-sided congestive heart failure.
Lab’s

- **Chem**: Glu 102/Creat 0.9/BUN 18.
- **Electrolytes** normal.
- **Urinalysis** normal.
- **CBC** normal.
- **LFT’s** normal. INR 1.1
- **TFT** TSH 3.2 FT4 1.53
Echocardiogram
Management

Meds
- Spirinolactone 25 mg qd
- Rivaroxaban 20 mg bid
- Amiodarone 200 mg bid
- Ramipril 2.5 mg qd
Procedure:
• Cardiac resynchronization therapy with implantable defibrillator
• VIVA XT CRT-D
• Parameters:

• With a defibrillation basal algorithm and echocardiographic resynchronization guidance.