

## CARDIOLOGIA

# Caso Clínico

Ana Carolina Ribeiro Assis Araújo

# CASE REPORT

R.P.M. 36 years old, divorced, unemployed, a Jehovah's Witness.

Started monitoring in Hemominas at 21 years of age.

Nonsmoker and no other cardiovascular risk factors.

No family history of coronary artery disease.

## **CASE REPORT**

Patient has sickle cell disease with persistence of fetal hemoglobin, baseline hemoglobin of 7.5.

Diagnosed since 10 months of age and presented several admissions due to painful crises in childhood and recurrent infections.

Never received blood transfusion.

# CASE REPORT

2003: First chest radiography: enlarged cardiac silhouette.

Asymptomatic cardiovascular standpoint.

2004: Gestation of the only daughter. Prenatal tests with good evolution. Cesarean delivery on 2004/09/18 uneventfully.

2004-2013: Progressive Exertional dyspnea  
(NYHA – III)

# CASE REPORT

2013: First consultation with a cardiologist -  
echocardiography ordered

## **Echocardiography :2013/06/20**

- EF 41%; PASP 34.
- LV dilatation with diffuse hypokinesis, systolic dysfunction in moderate degree
- Grau II of diastolic function
- Increase of the right atrium and left atrium. Moderate mitral and tricuspid regurgitation

## CASE REPORT

Were initiated in 2013:

- Carvedilol 25 mg BID;
- Spironolactone 25 mg MID;
- Acetylsalicylic acid 100 mg MID;
- Furosemide 40 mg MID

Patient had significant symptoms improvement.

Prompted investigation for ischemic cardiovascular disease.

Stress test - not yet realized.

Normal lipid profile.

# CASE REPORT

Maintains sporadic pain crises requiring hospitalization:

- Introduction of hydroxyurea as a treatment was discussed with the patient and agreed.

Examinations were requested in order to start the medication.

# CASE REPORT

Last laboratory exams- March / 2014:

- Hb:6,8 HT: 21,3% VCM: 101 LT: 13800 Plq: 326.000
- Hemoglobin electrophoresis: F: 17% S: 79% A2: 4%
- Ferritin : 40ng/ml

Comorbidities: Cholecystolithiasis



# DISCUSSION

Indication of ACEI - Why not use ACEI if an important modulator heart? Use only indicated if symptoms persist?

The difficulty of maintaining the cardiac monitoring - when repeat echocardiography?

Role of hydroxyurea in the context of cardiac dysfunction.

How to do a surgery preparation if the patient is undergoing cholecystectomy?