

## SEX DIFFERENCES IN DE NOVO HEART FAILURE AFTER STEMI

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### Abstract:

**Introduction:** Heart failure has different characteristics depending on the sex, In the case of STEMI men and women have distinct cardiovascular responses to acute myocardial ischemia with a higher risk for women to develop acute heart failure

**Objectives:** The main goal of this study is to determine the relationships between gender and acute heart failure after STEMI in patients with no prior history of heart failure recorded at baseline.

**Methods:** This is a retrospective, a study including 210 patients who had been hospitalized in a cardiology intensive care unit for myocardial infarction from September 2017 to February 2019, The main outcome measures were the incidence of Killip's class at hospital presentation and intrahospital mortality rates.

**Results :**The main age was  $59.3 \pm 7.02$  Sex ratio: 2,86 (74.1% Male, 25.9% Female) the incidence of de novo heart failure at hospital presentation was higher for women than for men (40,4% vs. 29.5%, odds ratio [OR 1,61 ; 95% confidence interval [CI], 0,83-3,11). Ladies with anew cardiovascular breakdown had higher mortality than did their male partners (28,6% versus 20.5%; OR: 1,55 ;95% CI , 0,5-3,15).About treatment 80% have been thrombolysed. The culprit artery was Left anterior descending artery in 53,4%.

**Conclusions:** Women are at higher risk to develop de novo heart failure after STEMI and women with de novo heart failure have worse survival than men this may be related to the increased prevalence of the microvascular disease in women predisposing them to heart failure after a STEMI.

### Biography:

I Have completed my medical studies at the age of 24 years from CASABLANCA University School of Medicine. Now, I'm an intern in the cardiology unit at the university hospital center ibnrochd of Casablanca, I am a member of several voluntary medical associations.

### Speaker Publications:

1. " Mitral powerful Regurgitant Orifice Area and elevated Pulmonary Artery force-Level in the Patients with Aortic Valve Stenosis in Morocco", April 2020.
2. "Is available any association between etiologies and factors of acute degenerated heart failure", 2020.
3. "Heatwave and acute coronary syndrome: is available any correlation?", 2020.

[8<sup>th</sup> World Congress on Hypertension, Cardiology, Primary Health and Patient Care](#), June 18-19, 2020 Webinar

### Abstract Citation:

Sara Abouradi, Sex differences in de novo heart failure after stemi, Euro Hypertension-2020, 8<sup>th</sup> World Congress on Hypertension, Cardiology, Primary Health and Patient Care, Webinar, June 18-19, 2020.

(<https://hypertensioncongress.cardiologymeeting.com/abstract/2020/sex-differences-in-de-novo-heart-failure-after-stemi>)

