

P60 COVID-19 (YEAR 2021) AND ACUTE MYOCARDIAL INFARCTION' TIME-DEPENDENT NETWORK: HUB-HEMODYNAMIC UNIT'S EXPERIENCES

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Objectives: The sudden SARS-CoV-2 emergency, has so far led to over 283 million infections and more than 5 million deaths globally, has put a strain on countries around the world. The result was a difficulty in accessing care both on an outpatient basis which resulted, in regione Campania, in a reduction in hospitalizations for ACS in the period Mar-Jun 2020 (1183) compared to the same period in 2019 (1862) (Agenas data). The trend was inevitably reversed in the year 2021, with the new availability of access to treatment, due to both the reduction of restrictions and the vaccination coverage of the population, with a marked increase in hospitalizations for ACS as well as in the Hospital " San Luca "of Vallo della Lucania (Sa).

Methods: Cardiovascular diseases in 2021 are the leading cause of death in the world with 18.5 million lives lost a year and the leading cause also in Italy for both men (31.7%) and women (37.7%)) with 230 thousand deaths certified by Istat, after 18 months of pandemic denounce a real war bulletin ... The provincial cardiology network plays a fundamental role in the timeliness of the transfer to Hub centers such as the PO San Luca in the management of acute coronary syndromes .

Results: 704 coronary angiography procedures and 118 emergency revascularizations (STEMI-NSTEMI at high risk Grace risk score > 140). Periprocedural complications were recorded around 0.5% (35) in line with the literature's data, all manageable and related to the femoral or radial puncture access.

Conclusions: In the year 2021, due to the reduction of restrictions and the marked increase in vaccination coverage, there was an increase in the number of hospitalizations for ACS and consequently in the mechanical myocardial revascularizations performed in Emergency (Stemi and Nstemi at high risk with Grace Risk Score > 140) probably linked to the lack of clinical-instrumental follow-up on an outpatient basis and day-hospital admissions in the year 2020 due to Covid-19 restrictions. At the Hemodynamics of the "San Luca" hospital (medium-volume center about 700 procedures / year), 118 emergency revascularisations were performed at 30.12.2021, compared to 82 in the same period of the year 2020.