

diagnosis of CI-DCM was an independent predictor of primary outcome incidence (HR: 5.79, 95% CI: 1.83-18.27), $P=0.003$, together atrial fibrillation. In a well-selected DCM cohort, patients with a chemotherapeutic etiology had a higher incidence of all-cause mortality compared to iDCM, while the incidence of cardiac adverse events was comparable among CI-DCM and iDCM.

358 Clinical characteristic and natural history of chemotherapy induced dilated cardiomyopathy

Andrea Lalario, Eva Del Mestre, Michele Lo Casto, Vincenzo Nuzzi, and Antonio Cannatà
Azienda Sanitaria Universitaria Giuliano Isontina (ASUGI), Italy

Chemotherapy can lead to chemotherapy-induced dilated cardiomyopathy (CI-DCM), recognized as one of the Non-ischaemic Dilated Cardiomyopathy (DCM) phenotypes characterized by worse outcome. Evidences on a direct comparison between idiopathic-DCM (iDCM) and CI-DCM still lack. We included all the consecutive patients enrolled in the Trieste Muscle Heart Disease Registry. C-DCM was defined according to current recommendations. Uni- and multivariable analysis and Kaplan-Meier were performed. The primary outcome was all-cause death and the secondary outcomes were cardiac death and a composite of heart failure hospitalization, heart transplantation, ventricular assist-device implantation and major ventricular arrhythmias. The study included 511 patients (499 patients affected by iDCM and 52 patients affected by CI-DCM). Compared to iDCM, CI-DCM patients were older (51 ± 14 years vs. 58 ± 3 years respectively, $P < 0.001$) and had a higher LVEF ($35\% \pm 10$ vs. $32\% \pm 9$, $P = 0.03$). CI-DCM patients had a higher incidence of all-cause of death compared to iDCM (36.5% vs. 8.4% , $P < 0.001$), while the incidence of cardiac death (7% in the CI-DCM group vs. 4% in the iDCM group, $P = 0.232$) and of the composite secondary outcome was comparable amongst the two groups. At multivariable analysis, the