Fontan Circulation in Adult Patients with Congenital Heart Disease: Results from the CHALLENGE Registry

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Background
Palliative Fontan physiology is associated with several cardiac and pulmonary sequelae.

Objectives
This study describes the population and clinical characteristics of adult Fontan patients included in the national registry of adult congenital heart disease in Greece (CHALLENGE registry) from Feb 2012 to Nov 2017.

Results - CHALLENGE registry
• 2320 patients in total
• 68 patients (3%) with single ventricle (Fontan) type circulation
• Age at inclusion in the registry 26.1±9.5 years
• 40% of patients males

Conclusions
• Fontan type circulation patients in our national ACHD registry are in their 2nd to 5th decade of life
• They have had multiple prior operations and percutaneous interventions
• They are mostly in NYHA class I and II and the majority receive medications
• Collection of additional data such as laboratory, echocardiographic, magnetic resonance imaging and exercise stress test data as well as long follow-up will help to further describe this population and possibly identify important factors for the management and prognosis of this population.

Conflict of interest: none declared