



Lecture Code : JS05-S1

Session Name : KDIGO-KSN Joint Symposium

Session Topic : CKD and Heart Failure (based on the March 2024 Consensus Paper)

Date & Time, Place : June 20 (Fri) / 14:30-16:30 / Room 3 (GBR 103)

Novel Insights Into the Pathophysiology of the Cardiorenal Syndrome

Mark Sarnak

Tufts Medical Center, United States

In this lecture I will discuss the following: a. Potential causes of decreased kidney function in the cardiorenal syndrome include reduced cardiac output, high venous pressures and neurohormonal activation. b. Distinguish between heart failure with reduced ejection fraction (HFrEF) and heart failure with preserved ejection fraction (HFpEF). c. Epidemiology of declines in kidney function and distinguish between associations of baseline kidney function and outcomes and changes in kidney function and outcomes d. Level of kidney function decline that can be tolerated with renin angiotensin system blockade or SGLT2 inhibitors? e. if I have time I will summarize data on treatment of both outpatients with heart failure as well as those with acute decompensated heart failure

Keywords: cardiorenal syndrome, acute kidney injury, heart failure, pathophysiology, chronic kidney disease