## Prognostic Value of E/E= Ratio in Patients with Unoperated Severe Aortic Stenosis

<u>Biner, Simon</u><sup>1</sup>; Rafique, Asim<sup>2</sup>; Goykhman, Pavel<sup>2</sup>; Siegel, Robert<sup>2</sup>

<sup>1</sup>Tel Aviv Sourasky Medical Center, Cedars Sinai Medical Center, Los Angeles, USA, Cardilogy; <sup>2</sup>Cedars Sinai Medical Center, Los Angeles, USA

Objectives: To evaluate the value of clinical and echo-Doppler parameters for the prognosis of severe unoperated aortic stenosis (AS).

Background: Approximately one third of severe, symptomatic AS patients are denied surgery. Risk stratification of AS is important to determine eligibility for transcatheter aortic valve replacement, a new treatment option for AS patients deemed suboptimal for surgical aortic valve replacement.

Methods: We retrospectively compared clinical and echo-Doppler parameters between survivors and nonsurvivors in 125 patients with unoperated severe AS.

Results: The 1-year survival rate was 62.4%. In univariate analysis, survivors compared to nonsurvivors were younger (80.0;10.9;10.9;11.1;11.1;11.1;12.0;13.1;14.1;15.1;15.1;15.1;15.1;15.1;15.1;15.1;17.1;18.1;19

Conclusions: LVEF was a significant predictor of survival only in the univariate analysis. B-type natriuretic peptide alone was not a predictor of prognosis in the study population. The E/E¡ ratio is the single most predictive clinical and echo-Doppler parameter in the assessment of prognosis in unoperated severe AS