

Normal Strain Values
Threshold for Abnormal
• Global Longitudinal Strain

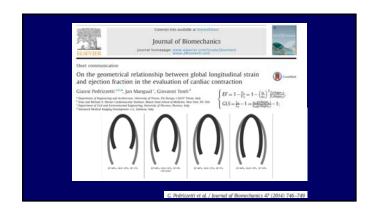
Normal GLS:≥ -17%

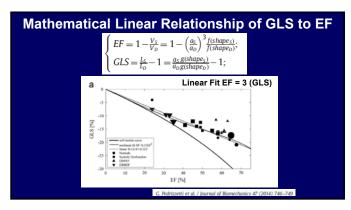
Borderline GLS: between -17% and -15%

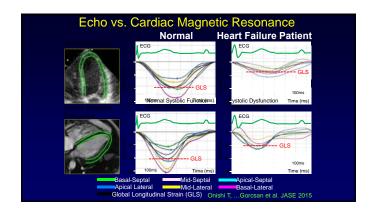
Clearly Abnormal GLS: ≤ -15%

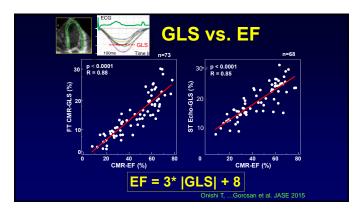
Think of GLS in absolute values
(I Prefer to Forget the – sign)

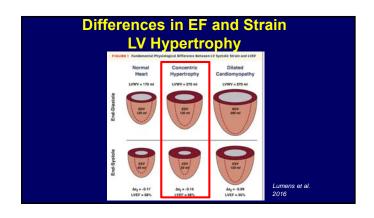


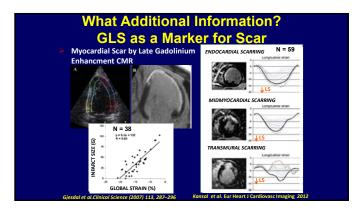


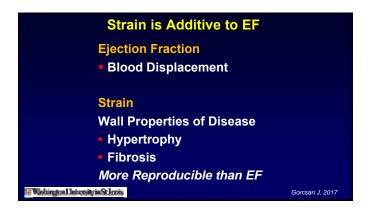


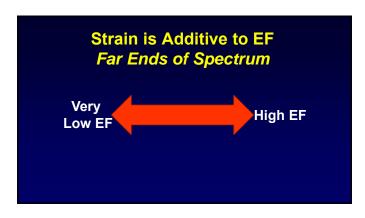




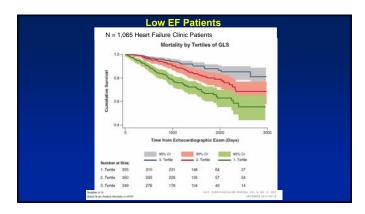


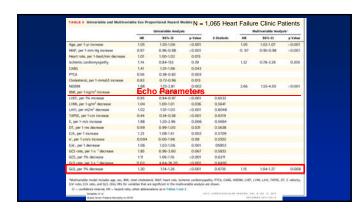


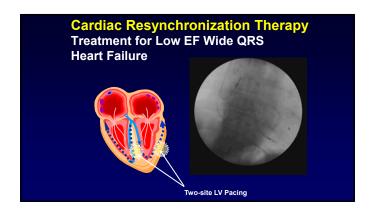


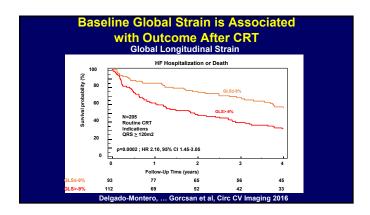


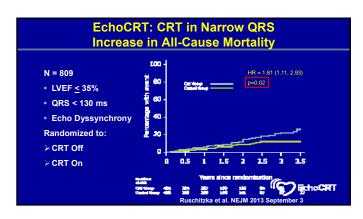


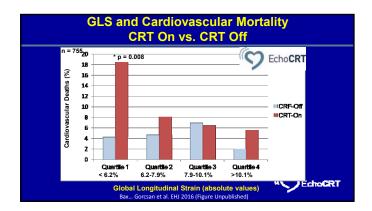


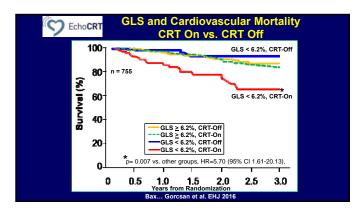


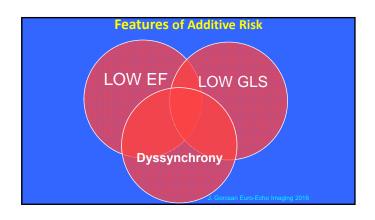


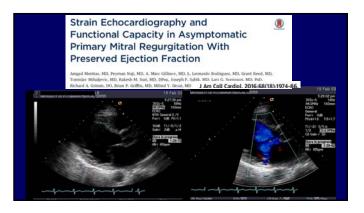


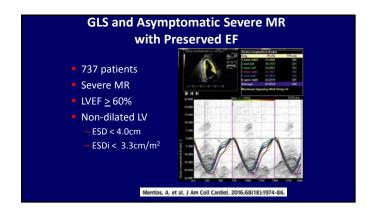


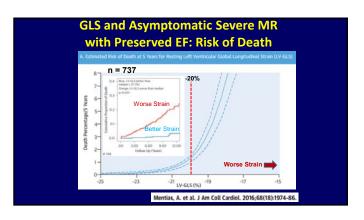


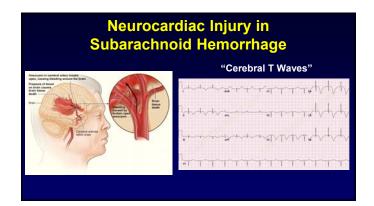


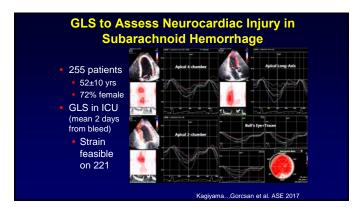


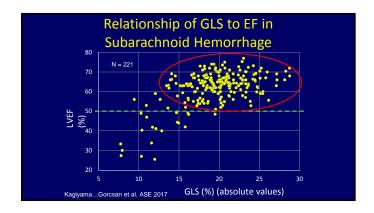


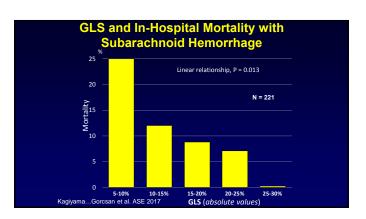


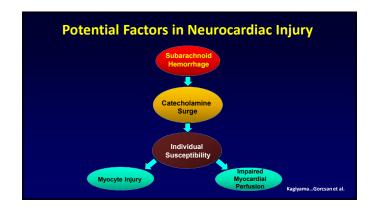


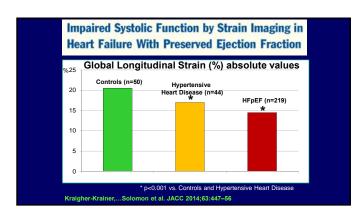


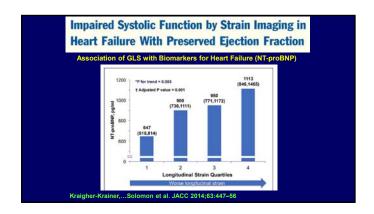


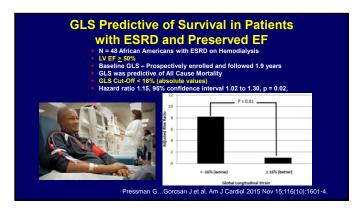




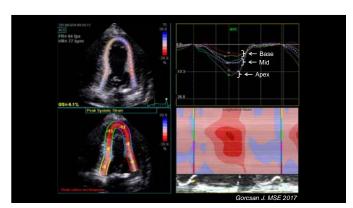


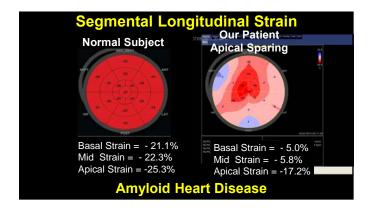


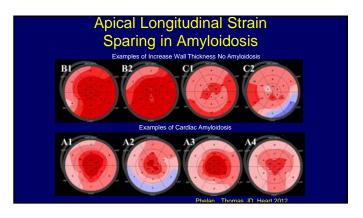


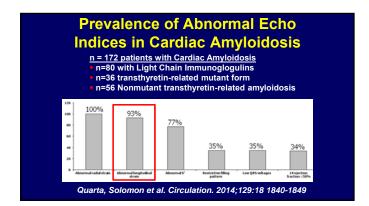


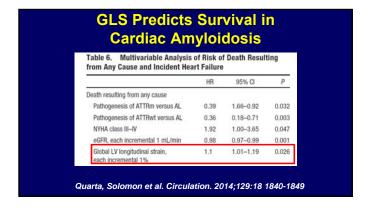




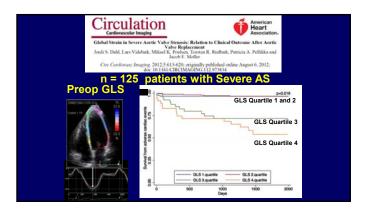


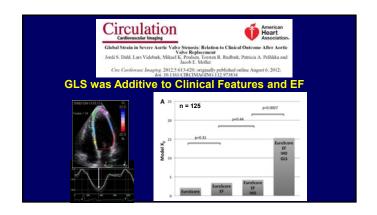


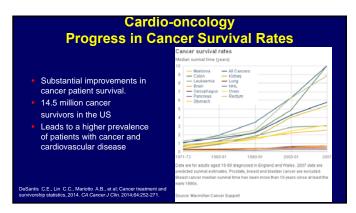


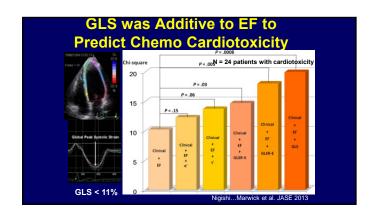


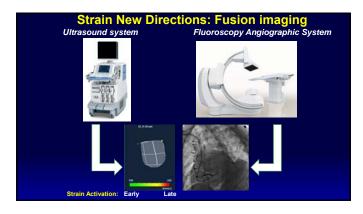


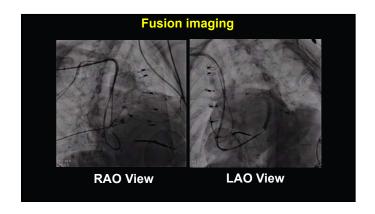


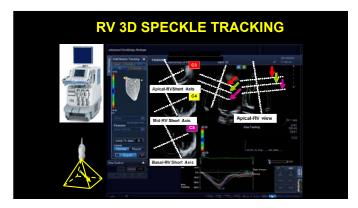


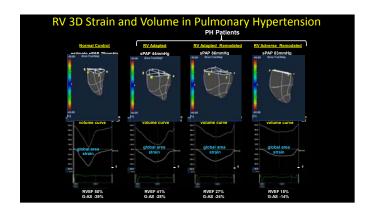


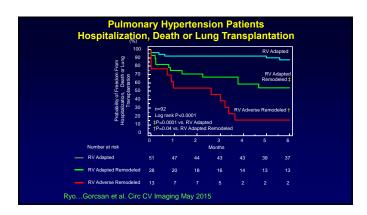


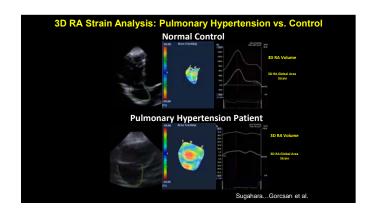


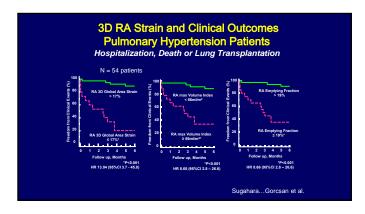














Take Home Messages Speckle Tracking Strain has emerged as the most useful new echocardiographic tool to assess myocardial function. Global Longitudinal Strain is best represented in the literature as being a sensitive measure additive to EF. Most Promising New Clinical Applications: Adding to EF in Heart Failure to Enhance Prognosis Cardiac Amydoidosis Valvular Heart Disease Neurocardiac Injury Cardio-oncology 3D Strain has promise for the future!