

flowchart TD

A[Heart Failure
Clinical Syndrome]

B[Structural Abnormalities] --> D[Impaired Ventricular Filling]

B[Structural Abnormalities] --> E[Impaired Ventricular Ejection]

C[Functional Abnormalities] --> D

C[Functional Abnormalities] --> E

D[Impaired Ventricular Filling] --> A

E[Impaired Ventricular Ejection] --> A

F[Initial Insults] --> A

F1[Ischemic Myocardial Injury] --> F

F2[Chronic Pressure Overload] --> F

F3[Volume Overload] --> F

F4[Primary Cardiomyopathy] --> F

F5[Myocarditis] --> F

F6[Tachyarrhythmia] --> F

F7[Congenital Heart Disease] --> F

F8[Toxic Injury] --> F

F9[Infiltrative Disease] --> F

F10[Cardiovascular & Systemic Risk Factors] --> F

G1[Hypertension] --> F2

G2[Aortic Stenosis] --> F2

G3[Valvular Regurgitation] --> F3

H1[Diabetes] --> F10

H2[Chronic Kidney Disease] --> F10

H3[Obesity] --> F10

H4[Anemia] --> F10

H5[Chronic Inflammation] --> F10