



QRS Complex

P Wave

T Wave

ATRIAL SYSTOLE

ATRIAL DIASTOLE

ATRIAL SYSTOLE

VENTRICULAR SYSTOLE

VENTRICULAR DIASTOLE

120

Semilunar valve opens

Semilunar valve closes

90

Aorta

Dicrotic Notch

60

Left Ventricular Pressure

30

Left Atrial Pressure

AV valve closes

AV valve opens

0

①

②

③

④

⑤

⑥

⑦

Left Ventricular volume (ml)

130

①

②

End Diastolic Volume

Stroke Volume

End Systolic Volume

100

⑤

50

dupp

lubb