

# ROMHILT-ESTES POINT SYSTEM



Ask Mish

## Romhilt-Estes criteria:

Limb lead R or S amplitude $> 2.0\text{mV}$ or S in $V_1$ or $V_2 > 3.0\text{mV}$ or R in $V_5$ or $V_6 > 3.0\text{mV}$	3 points
ST segment abnormality: Without digitalis With digitalis	2 points 1 point
Left atrial enlargement	3 points
Left axis deviation $> -30^\circ$	2 points
QRS duration $> 0.09\text{s}$	1 point
Intrinsicoid deflection $V_5$ and $V_6 > 0.05\text{s}$	1 point

**Total Points:**  
4 : LVH likely  
5 : LVH present

Sensitivity 40-50%  
Specificity 80-90%

Romhilt and Estes built a point system where voltage and other criteria are used . They give 1, 2 or 3 points to each criterion and sum up the points. If the total points  $> 5$  LVH is definite if total points  $< 4$  LVH is probable. Even it is more accurate than other criteria, Romhilt-Estes point system brought a modest diagnostic benefit.