Advanced 12 Lead EKG

Loft Atrial Enlargement	Notched n ways > 0.12 cased in limb lands
Left Atrial Enlargment P-mitrale	Notched p wave > 0.12 second in limb leads Causes prolonged conduction times required to travel
P-mitrale	Causes prolonged conduction times required to travel through appared LA
	through enlarged LA
Dielet Atrial Euleneus aut	Produces a double hump (camel hump) Picht Abriel Folgographe
Right Atrial Enlargment	Right Atrial Enlargement
P-pulmonale	Peaked P wave taller than 2.5 mm in the limb leads
	P-pulmonale = teepee
Left Ventricular Hypertrophy	• S in V1 or V2 + R in V5 or V6 ≥ 35 mm.
	Or
	Any precordial lead is ≥ 45 mm
	The R wave in AVL is > 11mm
	The R wave in Lead I is > 12 mm
	The R wave in lead AVF is ≥ 20 mm
Right Ventricular Hypertrophy	 R:S ratio is ≥ 1 in leads V1 and/or V2
	R is bigger than S
Wolff-Parkinson-White	Shortened PR interval < 0.12 sec with a normal p wave
	• Wide QRS complex ≥ 0.11 sec
	The presence of a delta wave
	ST-T wave changes or abnormalities
	 Association with paroxysmal tachycardias – can be fatal
Pericarditis	Diffuse ST elevation
	Scooping upwardly concave ST segment elevation in
	almost all leads except AVR
	No reciprocal ST depression except in AVR
	PR depression
Early Repolarization	Elevated take-off of ST segment at the j point
	Concave upward ST elevation ending with a symmetrical
	upright T wave – often of large amplitude
	Gently upsloping and curving downward or sagging of the
	ST segment , producing the so called "smiley face"
	Contrasted with the junctional elevation and horizontal or
	straight ST segment & the curving upward of "sad face" of
	the STEMI examples
	No reciprocal ST segment depression
Pulmonary Embolus	• S1, Q3 or S1,Q3, T3 (inverted T)
(not diagnostic may see these	• RBBB
changes)	Inverted T waves secondary to RV strain may be seen in
	the right precordial leads and can last for months
	or
	R axis deviation noted by Lead I negative or S wave Lead I
	and AVR positive
	V1 has tall R wave
	Large p waves II, III, AVF
	Inverted T wave Lead III