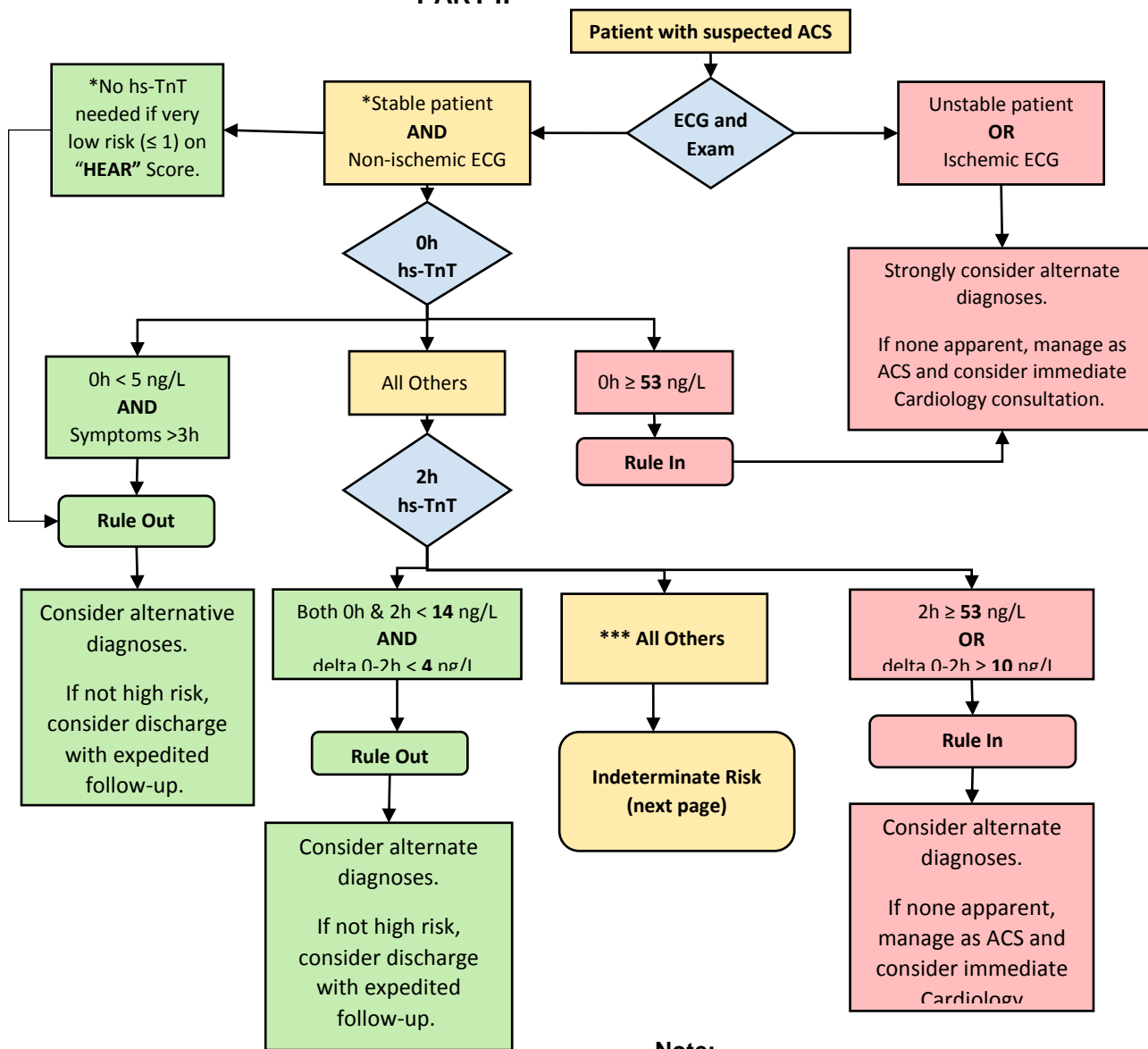


## 2-Hour Chest Pain Pathway for Troponin T - High Sensitivity (hs-TnT) - Roche - Edmonton

### PART I:



**Note:**

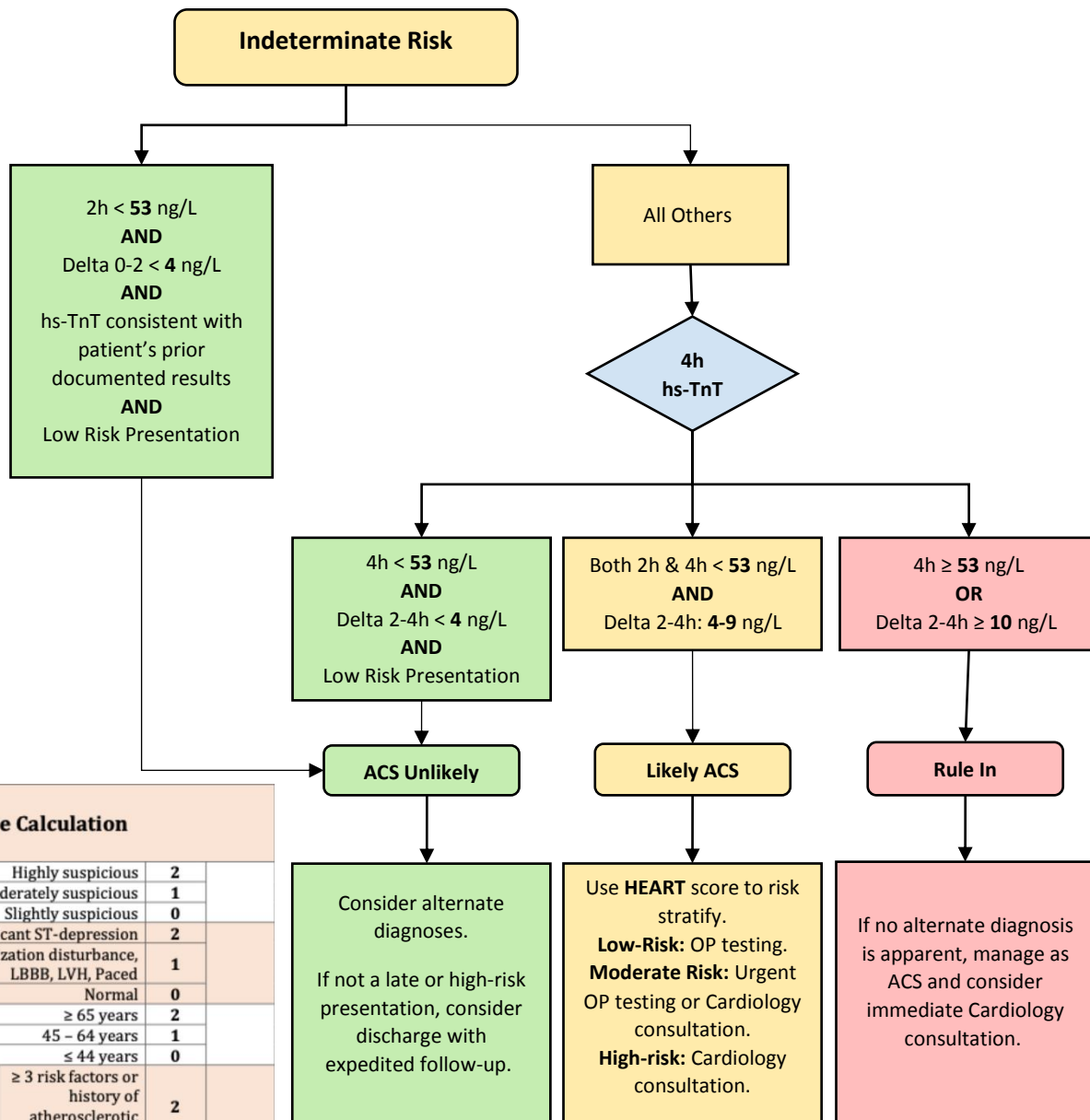
\* Consider using a structured risk assessment tool such as the HEAR (HEART without the TnT testing) to aid decision making for **very low** risk patients.

\*\* For all patients with abnormal hs-TnT results, check the medical record for prior results. Many patients have stable abnormalities in hs-TnT and measured concentrations similar to the patient's baseline are reassuring.

\*\*\* The **indeterminate risk pathway** arm relies on expert opinion, the experience in Calgary, and our Edmonton Zone hs-TnI chest pain pathway (initiated 2019). It aligns with

HEAR* Score (0-1 = low risk)			
History	Highly suspicious		2
	Moderately suspicious		1
	Slightly suspicious		0
ECG	Significant ST-depression		2
	Non-specific repolarization disturbance, LBBB, LVH, Paced		1
	Normal		0
Age	≥ 65 years		2
	45 - 64 years		1
	≤ 44 years		0
Risk Factors	<input type="checkbox"/> Diabetes <input type="checkbox"/> Current smoker <input type="checkbox"/> HTN (diagnosed) <input type="checkbox"/> HL (diagnosed) <input type="checkbox"/> Family hx CAD <input type="checkbox"/> Obesity	≥ 3 risk factors or history of atherosclerotic disease	2
		1 or 2 risk factors	1
		No risk factors known	0

**PART II: Intermediate Risk**



HEART Score Calculation			
History	Highly suspicious		2
	Moderately suspicious		1
	Slightly suspicious		0
ECG	Significant ST-depression		2
	Non-specific repolarization disturbance, LBBB, LVH, Paced		1
	Normal		0
Age	≥ 65 years		2
	45 - 64 years		1
	≤ 44 years		0
Risk Factors	<input type="checkbox"/> Diabetes <input type="checkbox"/> Current smoker <input type="checkbox"/> HTN (diagnosed) <input type="checkbox"/> HL (diagnosed) <input type="checkbox"/> Family hx CAD <input type="checkbox"/> Obesity	≥ 3 risk factors or history of atherosclerotic disease	2
		1 or 2 risk factors	1
		No risk factors known	0
hs-cTnT (Peak)	> 3x normal limit (43ng/L or greater)		2
	1-3x normal limit (14-42ng/L)		1
	< normal limit (<14ng/L)		0
<b>Total (10 maximum)</b>			
HEART Score Interpretation			
	<b>Low Risk</b>		<b>0-3</b>
	<b>Moderate Risk</b>		<b>4-6</b>
	<b>High Risk</b>		<b>7-10</b>

Note:  
 \* Consider using a structured risk assessment tool such as the HEART score to aid decision making for all patients without indications for Cardiology consultation.  
 \*\* For all patients with abnormal hs-TnT results, check the medical record for prior results. Many patients have stable abnormalities in hs-TnT and measured concentrations similar to the patient's baseline are reassuring.  
 \*\*\*The **indeterminate risk pathway** arm relies on expert opinion, the experience in Calgary, and our Edmonton Zone hs-TnI chest pain pathway (started 2019). It aligns with current guideline recommendations.