

* What is the major cause of arterial thromboses? ~~#~~ Atherosclerosis

* because → ① ↓ endothelial integrity ② abnormal blood flow

* What is the most common ~~source~~ ^{type} of embolism? thromboembolism

* What is the most common type of thromboembolism? pulmonary thromboembolism

* What is the most common ~~type~~ ^{rate} of pulmonary embolism? organization

* What is the most common origin of systemic thromboembolism? intracardiac mural

* What is the most dangerous fate of pulmonary embolism? sudden death

* What is the most arteriola affected by systemic thromboembolism? lower extremities

* What is the best sign of fat embolism? * $\text{يعني يكون الارتفاع في كريات الدم البيضاء}$

① anemia ② thrombocytopenia ③ diffuse petechial rash

* Amniotic fluid embolism is

1. rare 2. dangerous 3. high fatal $\approx 80\%$

* Infarction → $\begin{cases} \text{Red} \rightarrow \text{hemorrhagic} \\ \text{White} \rightarrow \text{anemic} \end{cases}$

* infarction → $\begin{cases} \text{microbial present} \rightarrow \text{septic} \\ \text{microbial absence} \rightarrow \text{bland} \end{cases}$

* organ with dual supply: liver, lung, hand, small intestine, forearm

* organ with end-arterial circulation: kidney, spleen, heart

* neurons damage after 3 → 4 min

* myocardial cell die after 20 → 30 min

* fibroblast remain viable after many hours of ischemia