心臟病及保健 heart disease and health

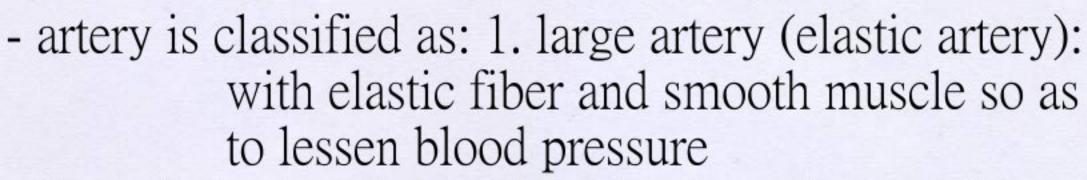
http://心臟病 .tw www.heartdisease.idv.tw

Ischemic heart disease

Andrew Ying-Siu Lee, MD, PhD.

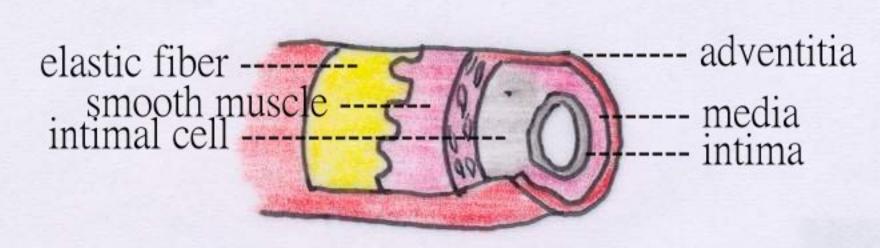
Artery

- artery is made up of 3 layers : intima, media and aventitia



2. medial artery (muscular artery): with smooth muscle so as to control vessel tone

3. small artery



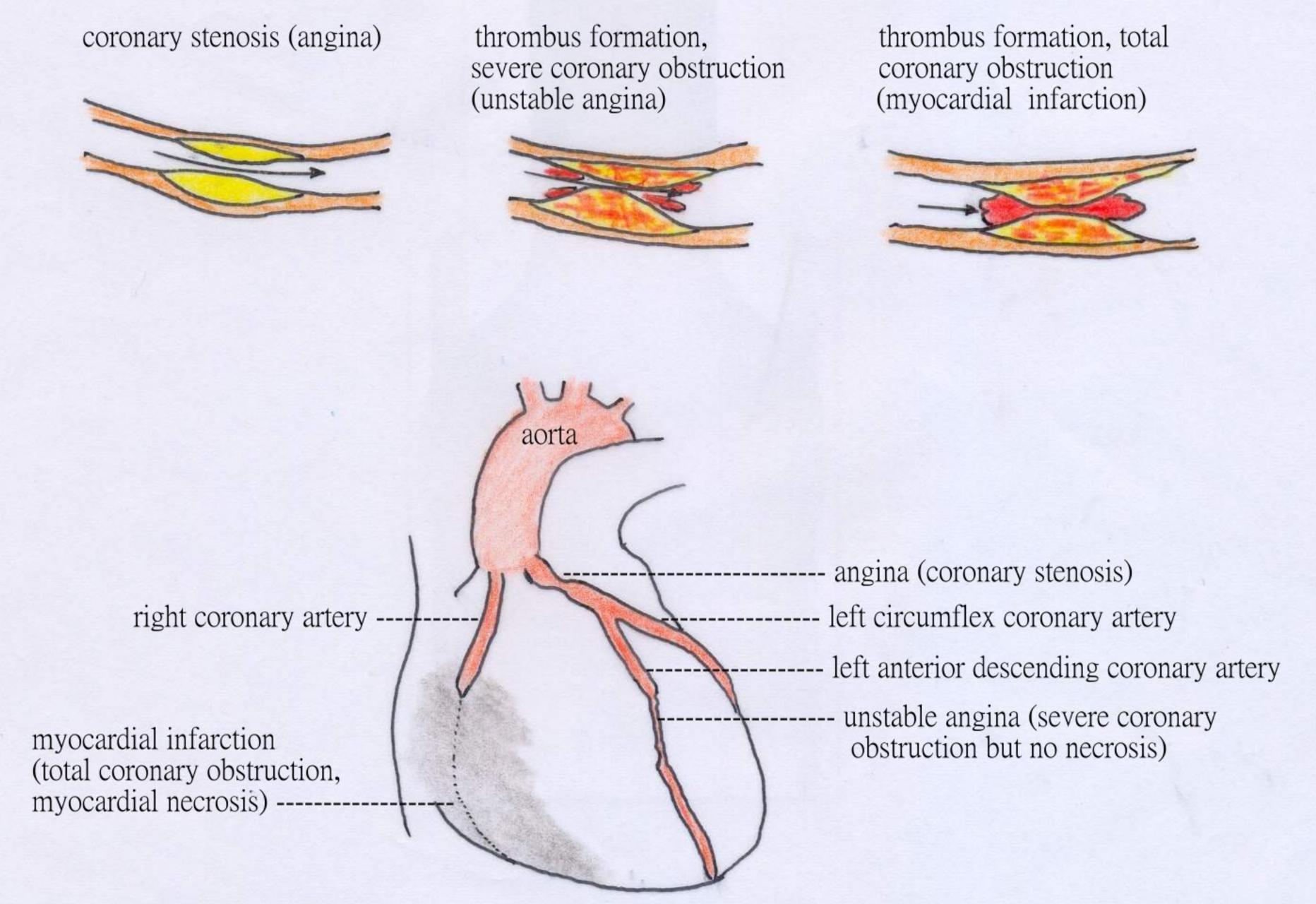
large artery (elastic artery)

Atherosclerosis

- 1. atherosclerosis (large artery)
- 2. medial calcification (medial artery)
- 3. arteriosclerosis (small artery)

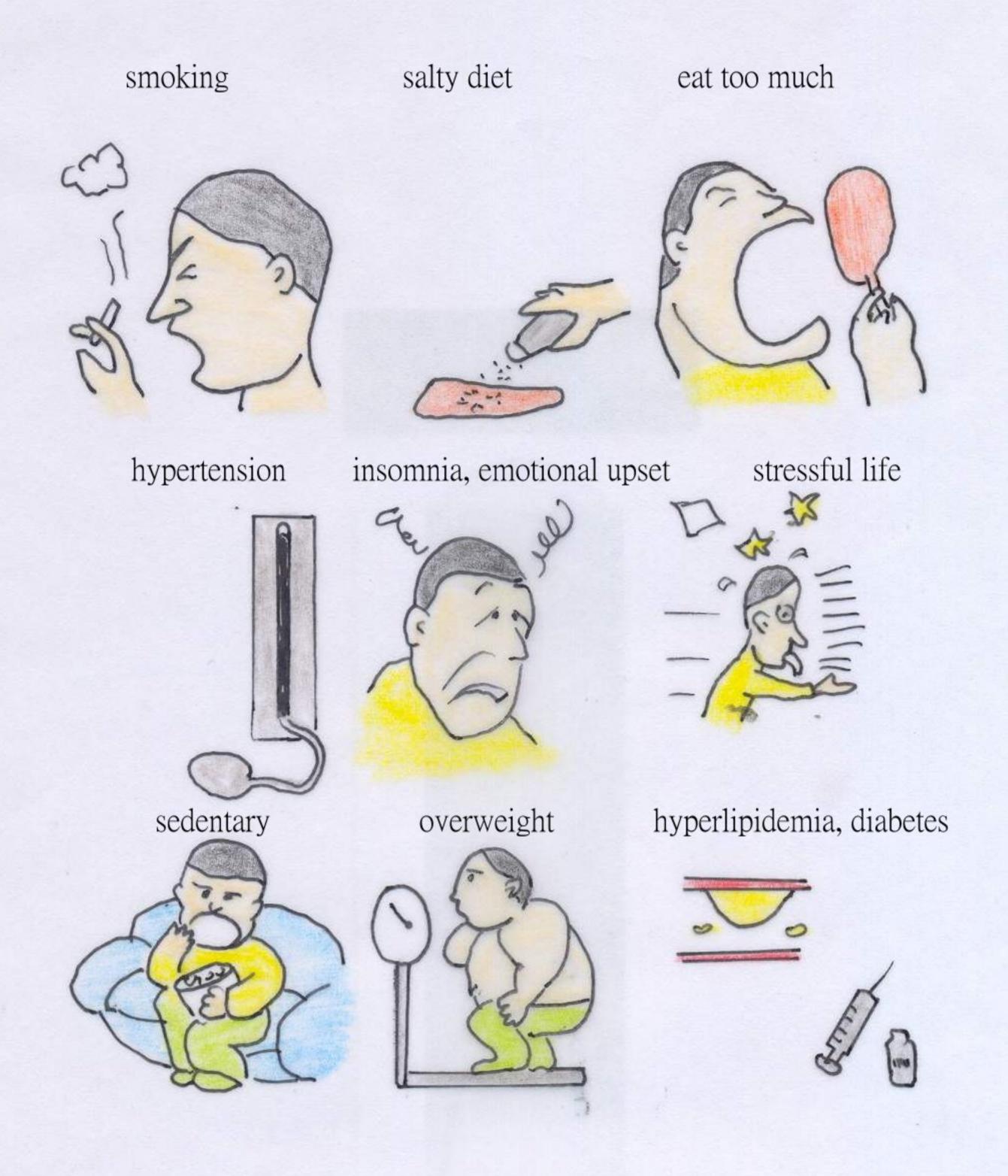
Coronary atherosclerosis

risk factors --> damage to intima of coronary artery --> lipid, plague deposit on coronary artery = coronary atherosclerosis --> enlargement of plague, inflammation, coronary stenosis --> myocardial ischemia (angina) --> plague rupture, activate coagulation, thrombus formation, coronary obstruction --> acute coronary syndrome : unstable angina (severe coronary obstruction), myocardial infarction (total coronary obstruction)

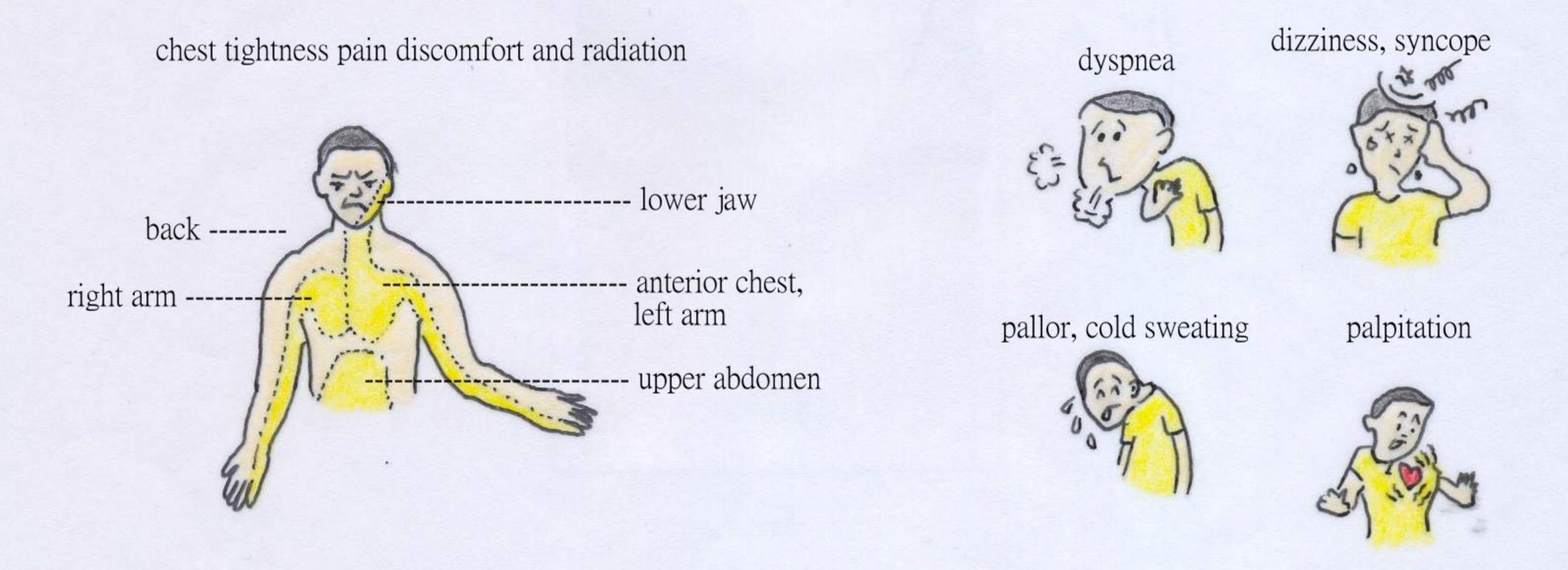


Coronary circulation and ischemic heart disease

Risk factors of ischemic heart disease



Symptoms of ischemic heart disease



Diagnosis of ischemic heart disease

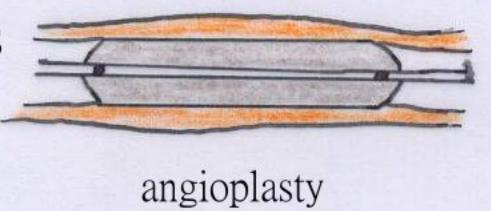
histroy
electrocardiogram
blood examination
X ray
exercise test
scintigraphy
64 slices spiral CT
cardiac catheterization

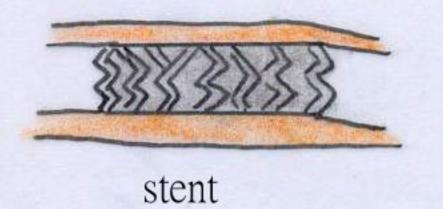
Management of ischemic heart disease

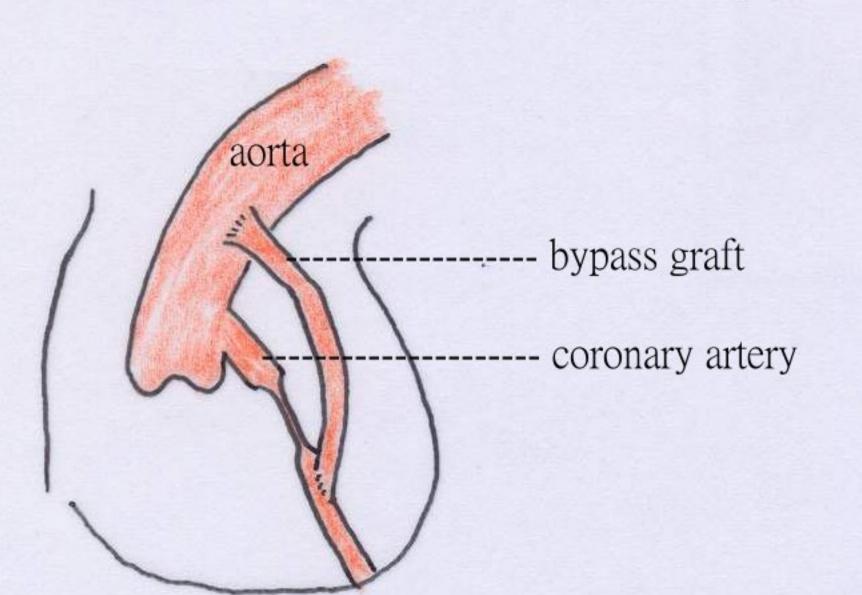
1. drugs



2. coronary interventions







3. coronary artery bypass surgery