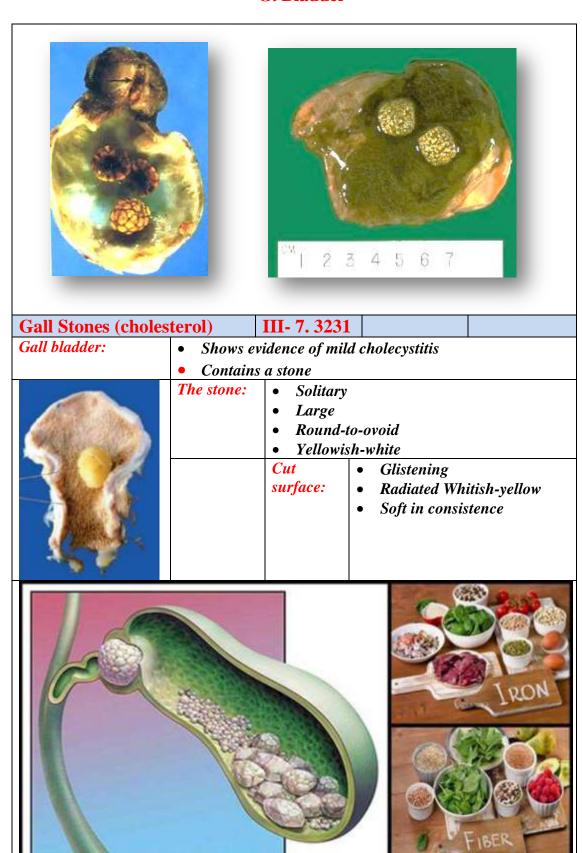
302 XVIII. Diseases of Liver, G. Bladder, Pancreas & Peritoneum G. Bladder



N.B.:

- This is a pure cholesterol stone.
- Occasionally, it may initiate formation of a mixed stone.
- It is usually silent (symptomless); and, is not opaque to X-rays.
- The gall bladder:
- Either is normal (with no gross features of inflammation).
- Or it reveals Cholesterolosis (or slight evidence of cholecystitis).
- Formation is favored by
 - Pregnancy;
 - High cholesterol in bile and in blood;
 - Stasis of bile in gall bladder;
 - A medium poor in protein;
 - Dietary disturbances (as in diabetes mellitus).

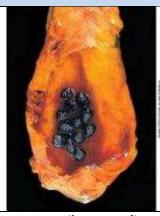
Gall Stone (pigmented) III- 7.323/2

Gall bladder: Shows gall stones



Gall stones:

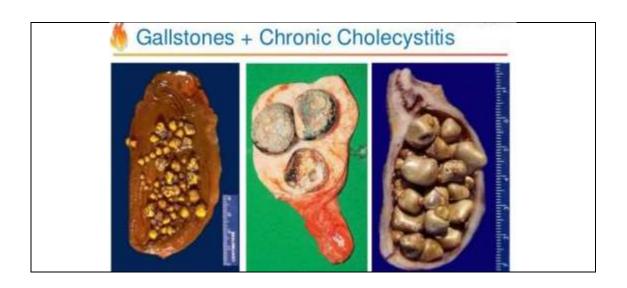
- Multiple
- Small
- Irregularly oval
- Friable
- Pigmented black



Cut surface:

Homogeneous (in general) Dark brownish-black

- Pigmented stones are made up of calcium bilirubinate.
- The gall bladder usually does not show gross changes.
- The stones are due to increased haemolysis of red blood cells.
- These stones may complicate:
 - 1. Haemolytic jaundice.
 - 2. Certain anaemias.
 - 3. Increased bilirubin-concentration of bile.
- Their formation is favoured by precipitation of the bile-pigment in a noninfected gall bladder but where bile stasis is present.
- The very small stones may enter the biliary ducts obstruction or/and biliary colic.



Cholelithiasis (Gallstones)

