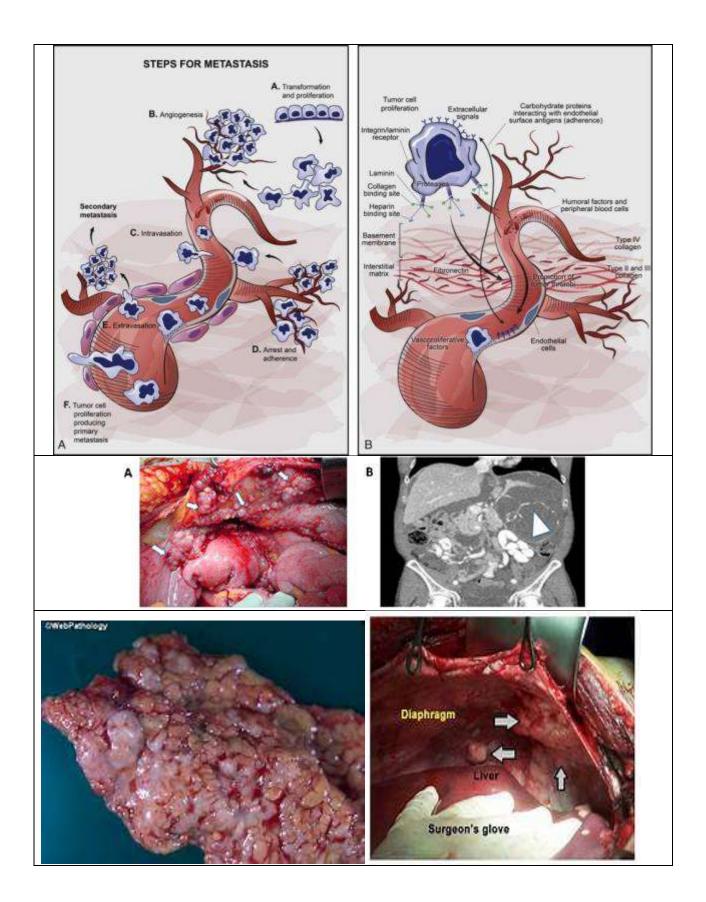
315 XVIII. Diseases of Liver, G. Bladder, Pancreas & Peritoneum Peritoneum

| Mesothelioma                          |                      |                              |                                                      |                                                                                                                                         |  |
|---------------------------------------|----------------------|------------------------------|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|--|
| A piece of omentum                    |                      | • Shows a tumour             |                                                      |                                                                                                                                         |  |
| The tumour:                           | • 1                  | Is formed of numerous masses |                                                      |                                                                                                                                         |  |
| Ma                                    | • 1                  | Variable in shap             | consistence                                          | on)<br>rather flat)                                                                                                                     |  |
| Masshalld<br>Silve<br>Healthy<br>Long | Pleural Mesothelioma | Advector Bans                | Mesothéliona<br>(peris of the large affected by meso | Parietal pleura<br>outsido layer<br>Peural space<br>and parietar pleura<br>Uscerat pleura<br>Covers lange)<br>Plaque forms<br>in pleura |  |
|                                       |                      |                              |                                                      |                                                                                                                                         |  |

| Metastatic Tumou                                                                                                               | rs                                                                                                                                                                                                                                                                                                                                                                                                                         |
|--------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| The omental tissue:• Is shrunken in parts; thickened in other parts• Nodular                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Nodules:                                                                                                                       | <ul> <li>Are irregularly scattered in the omental tissue</li> <li>Multiple</li> <li>Small (majority)</li> <li>Large (or variable in size and shape; some)</li> <li>Raised over the surface</li> <li>With foci of haemorrhage</li> </ul>                                                                                                                                                                                    |
|                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                            |
| (1) Direct e.<br>(2) Superfic<br>(3) Lympha<br>Meta<br>Bladder                                                                 | <pre>burs in the peritoneum may reach it by xtension (from an organ covered by it), ial dissemination (ovarian or pancreatic carcinoma), tics or blood stream.</pre>                                                                                                                                                                                                                                                       |
| of the posterior<br>(a) Benign: Lipoma<br>(b) Malignant: Lyn<br>1. Retroperiton<br>Extensions,<br>features.<br>2. Retroperiton | ars all<br>ng from the connective tissue particularly that behind the peritoneum<br>abdominal wall:<br>a, fibroma, neuroma and angioma.<br>aphoma and sarcoma.<br>neal lipoma (teratomatous rather than innocent lipomatous).<br>adhesions and recurrence after removal are some characteristic<br>neal sarcoma (a fibrosarcoma or round-cell sarcoma).<br>iddle age; is a soft, pinkish-white area of haemorrhage or cyst |



#### **N.B.4:**

Accumulation of serous, non-purulent fluid in the peritoneal cavity

= ascites may be a transudate (dropsically) or exudate (inflammatory).

I. Dropsical ascites may be due to:

1. General causes

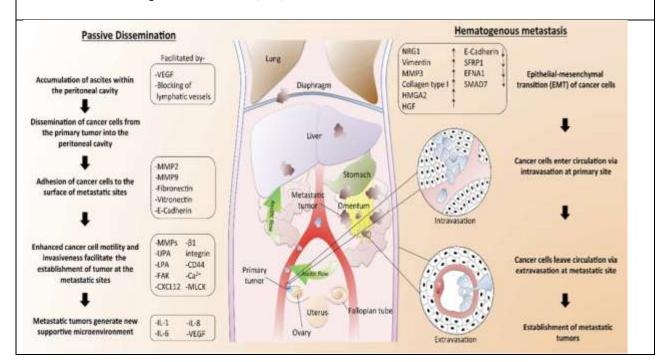
(Cardiac failure, renal disease (such as nephrosis and nephritis) and nutritional disorders with marked deficiency in proteins).

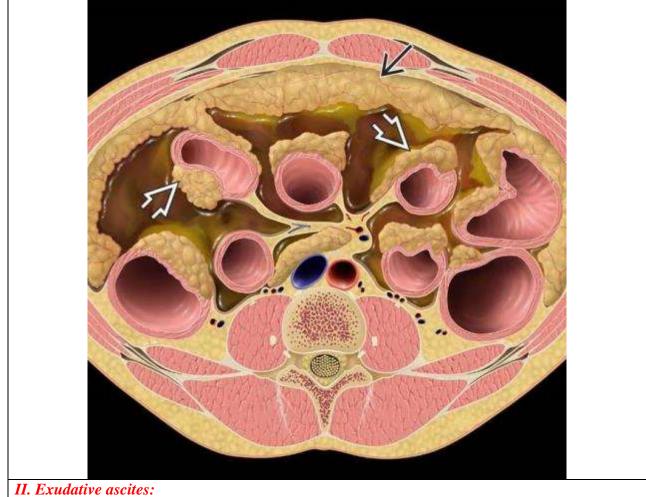
### 2. Local causes:

- (a) Portal obstruction (obstruction of the portal vein, portal cirrhosis of the liver, chronic venous congestion and syphilis) and pressure by enlarged lymph nodes as by tuberculosis. Lymphoma and tumours.
- (b) Chronic tuberculous peritonitis; hydatid cyst.
- (c) Thrombosis of portal vein and
- (d) Neoplasms.

The ascetic transudate is a

- Fluid of low specific gravity (1.015) and
- Low protein content (2%).





Is caused by:

- (a) Irritation of the peritoneum by the moist form of tuberculosis,(b) Carcinoma of liver or of ovaries and
- (c) Metastases in the peritoneum.

# The exudative fluid

- Is of a higher specific gravity (1.018),
- Of a protein-content above 3% and •
- With more cellular content. •



## <u>The fluid may be</u>

Haemorrhagic in

- Tuberculosis,
- Tumours and
- Occasionally with tubal pregnancy and

• Cirrhosis.

It is opalescent in

- True chylous ascites (due to filariasis obstructing the thoracic duct and lymphatics) or
- Is pseudo-chylous due to lipoids.

### Clinically,

- Abdominal enlargement,
- Pressure symptoms and
- Special signs (shifting dullness, fluid thrill and portal peripheral anastomosis) are characteristic.

