The Peritoneum
(lecture 2)

https://www.slideshare.net/MehulTandel/peritoneum-dr-mehul-tandel
Reflection of Peritoneum

https://www.slideshare.net/JaPatel1/peritoneum-and-peritoneal-cavity-90232486

https://www.semanticscholar.org/paper/The-falciform-ligament-region: comprehensive anatomy and imaging
Sagittal section through the abdomen to show the reflections of peritoneum

Human Anatomy. BD Chaurasia, 8th ed, Vol. 2, 2020

https://www.wesnorman.com/peritoneum.htm

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Supracolic and Infracolic Compartments
Horizontal Tracing above the Level of the Transverse Colon (Supracolic compartment)
Horizontal Tracing below the Level of the Transverse Colon (Infracolic compartment)
Horizontal section through male pelvis showing horizontal disposition of peritoneum
Peritoneal reflections / male

- 1- supra-vesical fossa
- 2- para-vesical fossa
- 3- uretric fold
- 4- Recto-vesical pouch
- 5- para-rectal fossa
Horizontal section through female pelvis showing horizontal disposition of peritoneum
Epiploic Foramen/Omental Foramen/Foramen of Winslow

- Vertical slit-like opening through which the lesser sac communicates with greater sac.
- The foramen is situated behind the right free margin of the lesser omentum at the level of the 12th thoracic vertebra.
Boundaries of epiploic foramen

- Caudate process
- Bile duct
- Epiploic foramen
- Proper hepatic artery
- 1st part of duodenum
- Portal vein
- Suprarenal gland

T11, T12, L1

Superior, Anterior, Inferior, Posterior
**Epiploic Foramen**

**Anteriorly:**

Right free margin of lesser omentum

- Common bile duct
- Proper hepatic a.
- Hepatic portal v.
- Hepatic plexus of n.
- Lymphatics
**Epiplioc Foramen**

**Boundaries**

**Posteriorly:**
- Right kidney
- T12

- Inferior Vena Cava
Epiploic Foramen

Superiorly:

Boundaries

Caudate Process of Liver
**Epiplonic Foramen**

**Boundaries**

**Inferiorly:**

1st part of duodenum

Hepatic artery
LESSER SAC OR OMENTAL BURSA

• This is a large recess of the peritoneal cavity behind the stomach, the lesser omentum and the caudate lobe of the liver.

• It is closed all around, except in the upper part of its right border where it communicates with the greater sac through the epiploic foramen.

• Shape: hot water bag like
Boundaries of lesser sac
Lesser sac - Boundaries

Anterior Wall

- Caudate lobe of liver
- Posterior layer of Lesser Omentum
- Postero-inferior surface of stomach
- 2nd layer of Greater Omentum
**Lesser sac - Boundaries**

**Posterior Wall**
- Left sura-renal gland, kidney
- Ant surface of body of pancreas
  - Upper layer of transverse meso-colon
  - Antero-superior surface of transverse colon
- 3rd layer of Greater Omentum
Lesser sac - Boundaries

Upper Margin

Diaphragm

Caudate lobe of liver
Right Margin

Below Transverse Colon

Right free margin of Greater omentum
Right Margin

Above Transverse Colon

Deficient

Epiplioc Foramen
Subdivision of Lesser Sac

Divided by 2 peritoneal folds

Left Gastro-pancreatic fold

Left Gastric artery

Common Hepatic artery

Right Gastro-pancreatic fold
Lesser Sac and Its Recesses

- Gastrocolic part of greater omentum cut & stomach reflected superiorly
- Hepatic recess
- Gastroplenic ligament (cut)
- Splenic recess
- Splenorenal ligament
- Omental recess
- Greater omentum
- Posterior wall of stomach
- Caudate lobe
- Epiploic foramen
- Lesser sac
- Gastrocolic ligament

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http://y7177.com/sa/anato/peritoneum/omental_bursa.htm
Subdivision of Lesser Sac

- Superior Recess
- Vestibule
- Right Gastro-pancreatic fold
- Left Gastro-pancreatic fold
- Splenic Recess
- Inferior Recess
- Omental Bursa Proper
Lesser sac hernia


https://www.slideshare.net/Bahnassy/squeezed-through-holes-imaging-of-internal-hernia
THANKYOU