



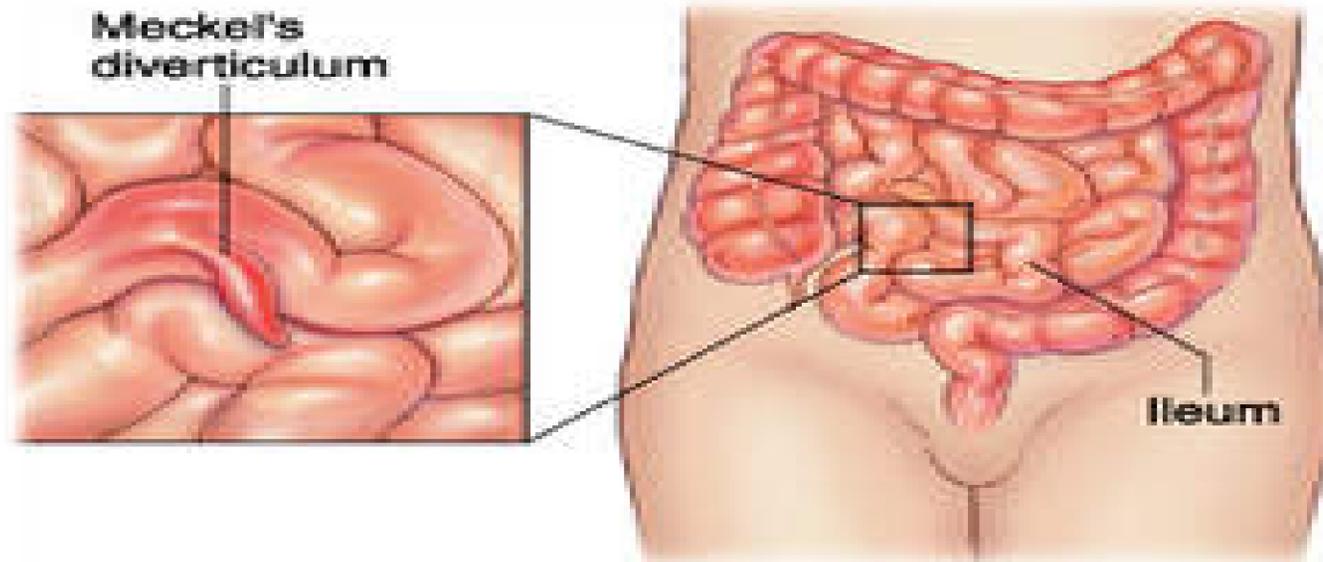
**RAMA
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FACULTY OF NURSING



Meckel's diverticulum



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Definition

Meckel's diverticulum is a congenital (present at birth) out pouching or bulge in the lower part of the small intestine that is present in some children at Birth and is a leftover of the umbilical cord. Meckel's diverticulum is the most common congenital defect of the gastrointestinal tract.

Incidence

- It occurs in about 2% to 3% of the general population.
- This condition is equally common among males and females but males are 2-3 times more likely to have complications.

Causes

It occurs in a fetus early in the pregnancy. Normally, the vitelline duct, which connects the growing fetus with the yolk sac, is absorbed into the fetus by the 7th week of the pregnancy. When the vitelline duct is not fully absorbed, a Meckel's diverticulum develops.

Sign and symptoms

- Gastrointestinal bleeding
- Abdominal pain and cramping.
- Tenderness near the navel
- Obstruction of the bowels (this can cause pain, bloating, diarrhea, constipation, and vomiting)
- Diverticulitis (swelling of the intestinal wall).

Diagnostic evaluation

- History collection
- Physical Examination
- X-ray
- Stool test for bleeding
- Rectal examination

Treatment

- ❖ Asymptomatic treatment
- ❖ Iron therapy
- ❖ Blood transfusion
- ❖ Colonoscopy
- ❖ Lower endoscopy

Complications

- Intestinal bleeding
- Abdominal pain
- Nausea
- Vomiting
- Obstruction
- Perforation
- Intussusception

THANK YOU