

# Duodenal atresia

## Duodenal atresia

The obstruction in duodenal atresia usually lies just distal to the ampulla of Vater. The proximal duodenum and pylorus dilate with swallowed amniotic fluid, rendering the pylorus temporarily incompetent. Occasionally, there is a web that may stretch like a windsock. If suspected antenatally, duodenal atresia is confirmed postnatally on an abdominal radiograph, showing a 'double bubble' ( Figure 18.3 ); if missed, it presents with bilious vomiting. The hepatopancreatic duct may have openings on either side of the atresia, and a little gas can pass distally. Repair is by open Kimura duodenoduodenostomy ( Figure 18.4 ) with or without a trans-anastomotic tube.

## Duodenal atresia

The obstruction in duodenal atresia usually lies just distal to the ampulla of Vater. The proximal duodenum and pylorus dilate with swallowed amniotic fluid, rendering the pylorus temporarily incompetent. Occasionally, there is a web that may stretch like a windsock. If suspected antenatally, duodenal atresia is confirmed postnatally on an abdominal radiograph, showing a 'double bubble' ( Figure 18.3 ); if missed, it presents with bilious vomiting. The hepatopancreatic duct may have openings on either side of the atresia, and a little gas can pass distally. Repair is by open Kimura duodenoduodenostomy ( Figure 18.4 ) with or without a trans-anastomotic tube.

## Duodenal atresia

The obstruction in duodenal atresia usually lies just distal to the ampulla of Vater. The proximal duodenum and pylorus dilate with swallowed amniotic fluid, rendering the pylorus temporarily incompetent. Occasionally, there is a web that may stretch like a windsock. If suspected antenatally, duodenal atresia is confirmed postnatally on an abdominal radiograph, showing a 'double bubble' ( Figure 18.3 ); if missed, it presents with bilious vomiting. The hepatopancreatic duct may have openings on either side of the atresia, and a little gas can pass distally. Repair is by open Kimura duodenoduodenostomy ( Figure 18.4 ) with or without a trans-anastomotic tube.

---

Revision #1

Created 2025-12-31 15:09:52 UTC by Omar Ayman

Updated 2025-12-31 15:09:52 UTC by Omar Ayman