

Morgagni hernia is one subtype of congenital diaphragmatic hernia. It is a rare type of hernia and accounts for approximately 3% of all cases. In contrast to Bochdalek hernias, Morgagni hernias typically occur on the anterior right-side of the chest wall. Morgagni hernias occur as a result of intra-abdominal contents protruding through the foramen of Morgagni. This anatomic area serves as a passing point of the internal thoracic vessels into the

abdomen and constitutes a weak point through which abdominal contents can herniate.

Diagnostic Workup

Chest X-ray

[Chest X-ray](#)

Newborn chest X-ray can be used to diagnose congenital diaphragmatic hernias. Chest X-rays will typically show bowel loops on one side of the chest.

Ultrasound

[Ultrasound](#)

Prenatal ultrasound can be used to diagnose congenital diaphragmatic hernias.

Treatment

Corticosteroids ± Surfactant

[Quarter-on-steroids and Surf-Surfactant-Surfboard](#)

Steroids may be used to treat CDH if diagnosed during the prenatal period. Steroids help expedite pulmonary development and reduce the risk of preterm labor and delivery. If the patient has significant respiratory distress i.e. NRDS, then surfactant can be administered to keep alveoli open to allow for adequate gas exchange.

Mechanical Ventilation

[Machine Vent Ventilating](#)

Patients may require intubation immediately after birth, mechanical ventilation, and stabilization. In some cases, patients may require extracorporeal membrane oxygenation (ECMO).

Surgery

[Surgeon](#)

Patients typically require surgery to correct the anatomic defects. In some cases, surgery is delayed for 3-4 days after birth to allow for lung maturation. Surgery involves reducing the bowel contents back into the abdomen and closing the diaphragmatic defect.

Considerations

Bowel Incarceration or Perforation

[Bowel-bowl Incarcerated with Perforations](#)

In congenital diaphragmatic hernias, the protruded loops of bowel may become incarcerated or perforate. This is a serious complication of CDH and requires immediate treatment.