

# Portal Venous Gas

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## History

11 day male with projectile vomiting.

## Diagnosis

Portal venous gas with pyloric stenosis

## Discussion

Portal venous gas is typically seen in necrotizing enterocolitis but can be seen in Hirschsprung's disease, collagen vascular disease, intestinal obstruction and massive bowel dilation. Portal venous gas may be explained in hypertrophic pyloric stenosis by gastric distention and forceful vomiting leading to venolymphatic escape of gastric air. Gas and gas-induced rouleaux formation lead to intraportal hyperechogenicities.

## Findings

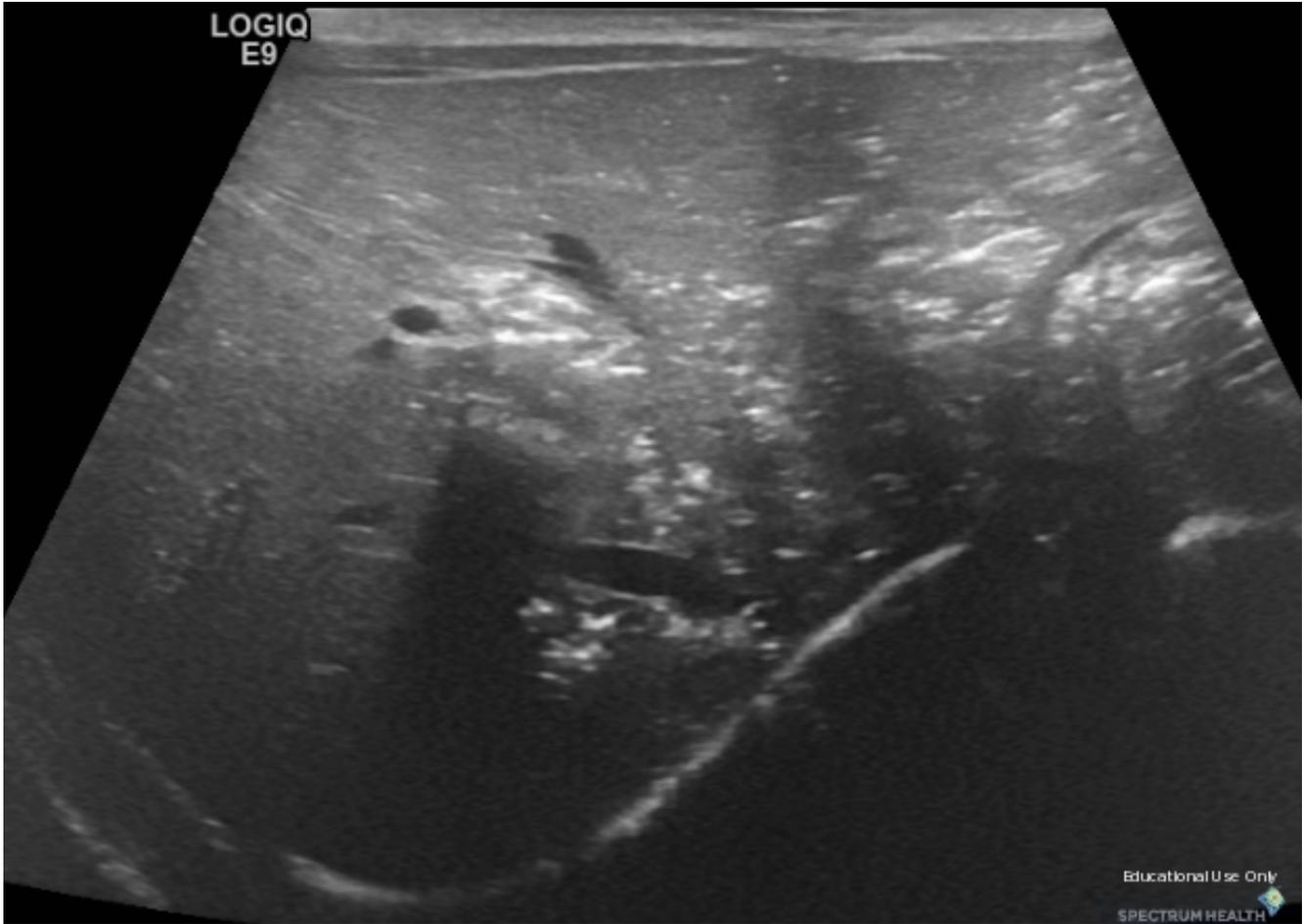
US-Innumerable punctate hyperechogenic foci in portal veins

## Reference

Sarti J and Kennedy A. Portal venous gas in hypertrophic pyloric stenosis. J Pediatric Surg (2006); 41:1935-1936.

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