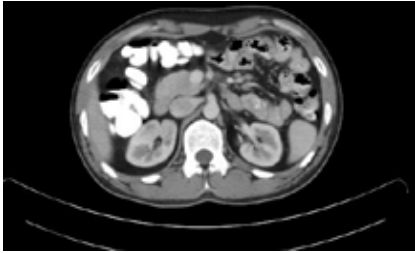


## Rare Cause of Pain Abdomen: Dorsal Pancreatic Agenesis

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**Fig. 1: CT scan showing absence of pancreatic body and tail. Pancreatic duct is not dilated. No parenchymal calcification or intraductal calcification seen**

A 24 yr old male with no addiction presented to Medicine OPD Paras HMRI, Patna with pain abdomen around umbilicus, burning type radiating to back. There was no tenderness in abdomen. Investigations including blood glucose, LFT and S. Amylase and lipase, Ultrasound abdomen UGI endoscopy were normal. CT abdomen which reveals agenesis of pancreatic

body and tail, Pancreatic duct was not dilated (Figure 1).

Dorsal pancreatic agenesis is a very rare pancreatic developmental anomaly and only few case reports are found in literature. It may be sporadic or genetically transmitted (autosomal dominant or X linked dominant).<sup>1</sup> Pancreas develops by 2 buds-ventral and dorsal. Ventral bud derives from hepatic diverticulum and form head of pancreas. Dorsal bud arises from dorsal mesogastrium and form body and tail of pancreas.

Mostly asymptomatic but patients may present with abdominal pain, hyperglycemia, bile duct obstruction and pancreatitis.<sup>2</sup> It is critical to

rule out pancreatic carcinoma with proximal atrophy, pancreas divisum, and pancreatic masses as these may resemble agenesis of the dorsal pancreas in imaging. Treatment is conservative including low fat diet and enzyme supplements.

### References

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