

# An unusual case of periumbilical discolouration – Cullen’s sign

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A 71-year-old man presented with periumbilical bluish black discolouration of 3 days duration. He was admitted to the surgical gastroenterology department for pain abdomen. On physical examination, we observed a solitary well-defined hyperpigmented patch with a violaceous border in umbilical and periumbilical areas [Figure 1]. His BP was 96/60 mm hg, pulse rate of 104/min, oxygen saturation 96% at room air, temperature 37.6°C and respiratory rate of 18 per minute. Alpha fetoprotein levels were 331.9 (normal: up to 10 IU/mL). Computed tomography (CT) scan of the abdomen

revealed a lesion suggestive of hepatocellular carcinoma with haemorrhage. Based on clinical findings and investigations, a diagnosis of Cullen’s sign secondary to haemorrhage in the previously undetected hepatocellular carcinoma was made.

Cullen’s sign should alert the dermatologist to the possibility of significant intra-abdominal bleeding or pathology and warrants further investigation and appropriate management. A mortality rate of 37% is reported in patients with acute pancreatitis with the presence of Cullen’s sign.<sup>1</sup> Cullen’s sign carries a dismal prognosis with most case reports describing a short survival.<sup>2</sup>



**Figure 1:** Well-defined hyperpigmented-violaceous patch over the umbilical and periumbilical region.

## Declaration of patient consent

The authors certify that they have obtained all appropriate patient consent.

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## Conflicts of interest

There are no conflicts of interest.

## Use of artificial intelligence (AI)-assisted technology for manuscript preparation

The authors confirm that there was no use of artificial intelligence (AI)-assisted technology for assisting in the writing or editing of the manuscript and no images were manipulated using AI.

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