

# A Case of Caecal Volvulus Requiring Right Hemicolectomy : A Rare Post Caesarean Section Phenomenon



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Postgraduate Institute of Medicine  
University of Colombo, Sri Lanka

**Hasitha Gunasingha<sup>1</sup>, Hamon Ng<sup>1</sup>, Althea Askern<sup>1</sup>, Sachini Mendis<sup>2</sup>**

<sup>1</sup>Joan Kirner Women's & Children's Hospital, St. Albans, VIC

<sup>2</sup>Postgraduate Institute of Medicine, University of Colombo, Sri Lanka

## Introduction

- Volvulus is a bowel obstruction from twisting of bowel loops around its mesentery.
- Caecal volvulus accounts for 15% of such cases and sigmoid volvulus is the commonest type with around 80% incidence.
- Cecal volvulus is reported in pregnancy due to associated hypermobility of caecum at that time.
- However, it is very rare occurrence during postpartum period.

## Objectives

- To describe the presentation, assessment and management of caecal volvulus in a post caesarean section mother.

## Case

- A 31-year-old primigravida with unremarkable antenatal, medical and surgical history underwent caesarean section for failure to progress at term, which was complicated with 1.8L bleeding requiring haemostatic sutures and uterotonics.
- She became unwell on second post-operative day with severe twisting abdominal pain, distension and right sided rebound tenderness.
- She was also tachycardic. But the blood pressure was normal.
- Urgent investigations were performed in view of bowel injury and internal bleeding.

## Results

- Urgent CT revealed marked sigmoid colonic distension upto 7cm, without evidence of mechanical obstruction, ischemia or perforation of bowel and suggestive of postoperative ileus or pseudo-obstruction.
- However, the latter was unlikely in the absence of air-fluid level or proximal large bowel obstruction.
- She was managed conservatively in next 24 hours with laxatives and analgesia.
- In the absence of clinical improvement, CT images were re-evaluated and was more suggestive of caecal volvulus.
- She underwent an urgent midline laparotomy, which showed caecal volvulus with necrotic area and right hemicolectomy, decompression of distal large bowel and functional end-to-end anastomosis was performed.
- She recovered well post-operatively and is undergoing outpatient follow-up.

## Discussion & Conclusion

- Cecal volvulus after C-section is very rare yet associated with high morbidity.
- Therefore, high clinical suspicion and promptly investigating post C-section abdominal pain, particularly associated with severe abdominal pain, distension and tenderness is crucial.

### References

1. Ferjaoui MA, Arfaoui R, Haddad A, Hannechi MA, Khedhri S, Neji K. Cecal volvulus: A rare post-partum complication. *Int J Surg Case Rep.* 2021;**87**:106461.
2. Basendowah M, Alabdulqader MH, Abdulqader O, Hakami M. Cecal Volvulus Post Cesarean Section: A Case Report. *Cureus.* 2020;**12**(1):e6644.
3. Al Salamah SM, El Keyali AY. Ileo-caecal volvulus post-caesarean section: A case report. *Saudi J Gastroenterol* 2000;**6**:163-4
4. Alinovi V, Herzberg FP, Yannopoulos D, Vetere PF. Cecal volvulus following cesarean section. *Obstet Gynecol.* 1980;**55**(1):131-134.

### Disclosure

Authors have no conflict of interest to declare

Author correspondence : drhasithang@gmail.com