



## EVIDENCE IN MANAGEMENT OF APPENDICULAR LUMP. ARE WE DOING ENOUGH?

### Surgery

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### KEYWORDS

#### Pathogenesis of appendicular lump:

1. Acute appendicitis leads to mucosal ischemia as a consequence of vascular compromise which in turn leads to translocation of gut bacteria from lumen to the lymphoid follicles and then to the wall of the appendix.
2. Engorged and inflamed appendix causes release of local mediators which initiates chemotaxis and brings the greater omentum which embraces the inflamed appendix to form an appendicular lump.

#### Component of appendicular lump:

1. Caecum
2. Appendix
3. Greater omentum
4. Sometimes the part of terminal ileum

#### Treatment:

##### A. Options:

- Conservative management – Ochsner-Sherren Regime.

##### B. Rationale of conservative management:

Already localised inflammatory process makes identification of appendix a lot harder and eventually inadvertent surgery may injure bowel wall. As a complication a fecal fistula may develop.

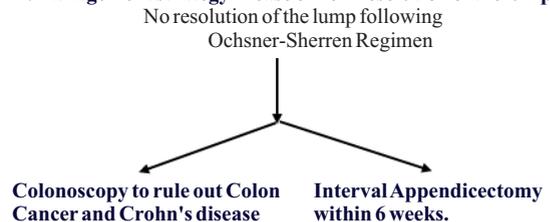
##### C. The Ochsner-Sherren Regimen:

- Nil Per Oral diet
- Intravenous antibiotic (Third Generation cephalosporin with Metronidazole)
- Intravenous analgesic (Paracetamol)
- Intravenous Proton pump inhibitor (Pantoprazole)
- Monitoring patient as following
- 4 hrly temperature and pulse rate
- 12 hrly urine output measurement

##### D. Outcome:

- 90% cases resolve without incidence.
- Clinical improvement usually within 24-48 hrs
- Indication for an early laparotomy:
- Clinical deterioration evidenced by rising pulse rate, Increasing or spreading abdominal pain, increasing size of the mass.

#### A. Management strategy in case of non-resolution of the lump:



Outcome Monitoring	
Good Outcome	Bad Outcome
1. Decreasing pulse rate	1. Increased temperature and fever with chills and rigor
2. Decreasing Temperature	2. Respiratory rate increasing
3. Decreasing respiratory rate	3. Lump is increasing
4. Patient feeling better	4. Signs of peritonitis
5. Decrease in the size of lump	5. Absent or diminished intestinal peristaltic sound
6. Stool has been passed	