

## THEMISEAL IN LAPAROSCOPIC CHOLECYSTECTOMY

### XXXIX WORLD CONGRESS OF THE INTERNATIONAL COLLEGE OF SURGEONS

LONDON

NOVEMBER 13 – 16 1994

#### FERACRYLUM (HEMOLOK), AN EFFECTIVE LOCAL HEMOSTATIC AGENT IN LAPAROSCOPIC CHOLECYSTECTOMY

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This study was aimed at evaluating the efficacy and ease of application of local haemostatic agent Feracrylum. **(HEMOLOK – THEMIS CHEMICALS LIMITED)** to stop varying degrees of oozing from gall bladder fossa after successful completion of laparoscopic cholecystectomy.

In 100 successive clinical cases, 1 to 5 cc of 5% sterile solution of Feracrylum **(HEMOLOK)** was sprayed over the gall bladder fossa with a laparoscopic needle through the epigastric port. A subhepatic drain was kept in every case at the end of the procedure.

Examination of gall bladder fossa at 2, 5 and 10 minutes showed immediate precipitation of gel with no evidence of oozing. There was minimal drainage through the drainage tube during immediate post-operative period of 24 hours when the tube was removed.

Conclusion : Feracrylum (HEMOLOK) displayed appreciable haemostatic activity and ease of application during laparoscopic cholecystectomy.

Name of the conference : 39<sup>th</sup> INTERNATIONAL COLLEGE OF SURGEONS  
BIANNUAL CONGRESS, LONDON.

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Title of the paper : FERACRYLUM (HEMOLOK), AN EFFECTIVE  
LOCAL HAEMOSTATIC AGENT IN  
LAPAROSCOPIC CHOLECYSTECTOMY.

Date of presentation : 16<sup>th</sup> NOVEMBER, 1994.

## **ABSTRACT**

Oozing from gall bladder bed during Laparoscopic Cholecystectomy can be at times more severe than expected and requires judicious use of cautery or compression of gall bladder fossa or use of Surgicel, Gelfoam etc. Through it is easier in open surgery, introduction of Surgicel or Gelfoam can be technically demanding during Laparoscopic surgery. Through monopolar cautery can stop the ooze but requires complete fossa to be literally charred and still subhepatic collection of both bile blood is a problem.

I have tried in 25 cases of Laparoscopic Cholecystectomy, injecting over gall bladder fossa with 5% sterile solution of Feracrylum (HEMOLOK). There was immediate precipitation of gel with arrest of bleeding. Further examination after 2 minutes and 5 minutes showed satisfactory stoppage of bleeding from gall bladder fossa. Drainage of subhepatic bed at the end Laparoscopic Cholecystectomy did not reveal any collection in the post-operative period.

### **Conclusion**

Feracrylum (HEMOLOK) displayed appreciable haemostatic activity and ease of application during Laparoscopic Cholecystectomy.