

SUTURELESS LAPAROSCOPIC PARTIAL NEPHRECTOMY BY USING FIBRIN GEL PRESEVING (TISSUCOL®) IS ABLE TO REDUCE THE ISCHEMIA TIME WITH RENAL FUNCTION

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Aim of the study

compared with LPN standard suturing fibrin gel (TISSUCOL®) in order to minimize renal ischemia time and preserve the kidney function, when nephrectomy (LPN). The aim of the present study was to evaluate the efficacy of sutureless LPN by using a Minimizing renal ischemia time is one of the most technically challenging step in laparoscopic partial

Materials and methods

standard suturing in the same period, considering the control group. All procedures were performed by of TISSUCOL® and compared with a series of 21 patients (mean age 57.9±7.5) who had undergone LPN kidney function preservation parameters, pathologic and follow-up data. The main outcome measure was the renal ischemia time and the loss, mean hospital stay, post-operative complications by using Clavien-Dindo classification, renal function Index, tumour characteristics by using RENAL score, warm ischemia and operative time, estimated blood the same surgeon. The following parameters were recorded: patient demographics, Charlson Comorbidity Between October 2008 and July 2009, 19 patients (mean age 58.3±7.1) underwent sutureless LPN by using

29) in the control group, with a statistically significant difference (p Median warm ischemia time was 13 minutes (range 11-19) in the TISSUCOL® group, while 19 (range 17-

particular, renal suturing during LPN is a difficult step, that increases operative time and warm ischemia preserve kidney function, without severe complications, when compared with standard suturing LPN. In that sutureless LPN with TISSUCOL® is able to reduce the warm ischemia, total operative time and management of small renal tumours, but some technical aspects are still to improve. Here, we demonstrated LPN is increasingly performed all over the world and actually represents a valid procedure for the

Conclusions

Suturcless LPN with TISSUCOL® is a safe method and is able to reduce the warm ischemia, total operative time and preserve kidney function, without severe complications, when compared with standard suturing



MULTICENTER DATASET (RECORD PROJECT) HEMOSTATIC AGENTS FOR PARTIAL NEPHRECTOMY: RESULTS FROM A LARGE TRI MATCH COMPARISON OF THE EFFICACY OF FLOSEAL® VS TACHOSIL® VS NO

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Aim of the study

Floseal® was performed. (NSS). A three-matched comparison between patients treated with no HA, with Tachosil® and with The aim of this study is to investigate the efficacy of hemostatic agents (HA) in Nephron Sparing Surgery

Materials and methods

approach (open vs minimally invasive), surgical technique (standard PN vs simple enucleation), preoperative with HA other than Floscal® or Tachosil® were excluded. A tri-match propensity score analysis was applied between January 2009 and December 2012 at 19 Italian centres. Cases treated with more than one HA or post-operative outcomes. haemoglobin and preoperative creatinine. The three groups were compared regarding the main intra and indication (elective/relative vs imperative), clinical stage (cT1a vs cT1b), tumour growth pattern, surgical to create 3 groups - no HA group, Floseal® group, Tachosil® group - balanced for gender, age, surgical Observational multicentre study (RECORd Project) collects the data of 1055 patients who underwent PN

difference in EBL, lower in the Floseal® group, but this result lost significance if clinical important EBI for 66 triplets well balanced triplets were performed. The three matched cohorts presented a significant among groups in terms of patient, tumor and surgical features were detected, so that a tri-match analysis HA group, 200 to Tachosil® group, 489 to Floseal® group. In the original cohort significant differences variation of haemoglobin and creatinine values between preoperative and 3rd post-operative day. and surgical post-operative overall complications, surgical haemorrhagic Clavien 2 and 3 complications was considered (>400 cc). No significant difference was found between three groups regarding medical The study excluded 255 patients treated with more than one HA and were submitted 131 cases to no

is that HA is often used improperly or indiscriminately. This statement is indirectly confirmed by the fact groups, no differences were detected in the rates of medical and surgical complications, transfusion and to past series of PN that, in spite of their frequent use, a reduction in the rate of bleeding was not observed in recent with respect any significantly protective effect against bleeding with respect to standard suturing. A possible explication glomerular filtration rate, overall and pairwise. Therefore, from these results, it seems that HA cannot exert re-intervention due to bleeding, as in variations between pre and postoperative levels of hemoglobin and subject is limited to some cases series, few retrospective studies and one randomized trial. Among the three In order to reduce hemorrhage during NSS the use of biological HA is increasing, but literature on this

No differences in terms of overall and bleeding complications were detected among patients submitted to addition to sutures, can improve haemostasis after PN NSS without using HA, using Floseal® or Tachosil®. There is no clear evidence that the use of HA, in