

Retrospective Study on Outcome of Laparoscopic Cholecystectomy in the Elderly at JSS Hospital, Mysuru

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1. Aims of the Study

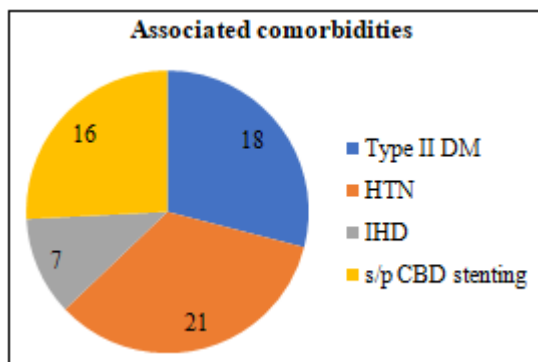
To study the outcomes of Laparoscopic Cholecystectomy in the elderly (age > 60 years) using various parameters, viz. duration of surgery, duration of hospital stay and conversion to open cholecystectomy

2. Method

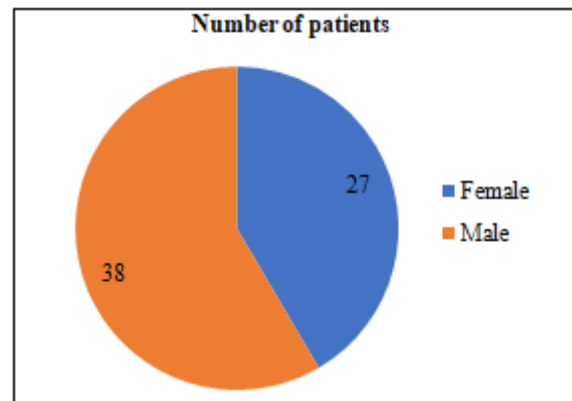
Out of 250 patients who underwent Laparoscopic Cholecystectomy at JSS Hospital in the period starting January 2019 onwards who were selected by randomization, 65 patients fit the criteria (age > 60 years) while 185 patients were aged <60. Data regarding comorbidities, duration of surgery, duration of hospital stay, conversion to open cholecystectomy was compiled and studied.

3. Results

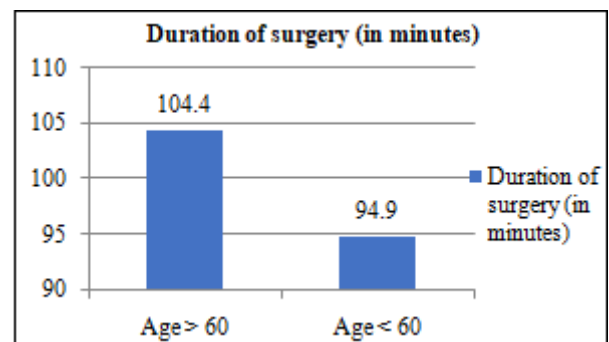
- 18 out of 65 patients (27.69%) aged >60 had Type II Diabetes Mellitus, 21 patients (32.3%) had Hypertension, 7 (10.7%) had Ischemic Heart Disease, and 16 patients (24.6%) had undergone CBD stenting for Choledocholithiasis prior to surgery.



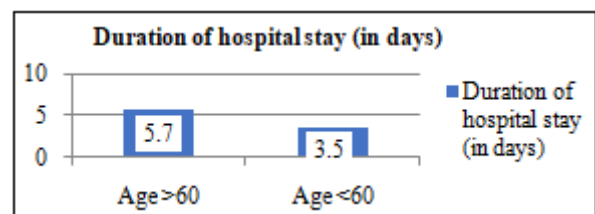
- Out of 65 patients aged >60, 27 were female and 38 (58.4%) were male.



- Average duration of surgery in patients aged >60 years was 104.4 minutes, which was 9.5 minutes longer than in patients aged <60 years.



- The average duration of hospital stay was prolonged in patients aged >60 years by an average of 2.2 days.



- A total of 6 out of 65 patients aged >60 (9.23%) underwent Laparoscopic converted to open cholecystectomy due to intraoperative complications, in comparison to 4 out of 185 (2.16%) aged <60 who underwent the same.

4. Conclusions

- 1) Majority of the patients aged >60 who underwent Laparoscopic Cholecystectomy are males (58.4%)
- 2) A significant number of them have comorbidities like Type II DM, Hypertension and IHD
- 3) Nearly 1/4th of the patients aged >60 who underwent Laparoscopic cholecystectomy had undergone prior CBD stenting
- 4) Duration of surgery was prolonged by 9.5 minutes in patients aged >60
- 5) Duration of hospital stay was prolonged by an average of 2.2 days in patients aged >60
- 6) The procedure is associated with higher rates of intraoperative complications requiring conversion to open cholecystectomy in age > 60 (9.23% as against 2.16% in age <60).