

عنوان مقاله:

Evaluation of cholecystectomy complications in diabetic and non-diabetic patients in Kerman university hospitals from the year ۱۳۷۴ to ۱۳۷۷

محل انتشار:

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نویسندگان:

J Vahedian-Ardakani - Assistant professor

H Zeinalinejhad - Assistant professor

A Ramezani

خلاصه مقاله:

Diabetes mellitus is a systemic disease that involves multiple organs. several documented studies indicated that prevalence of gallstone in diabetics is higher than nondiabetics. thus, rate of acute cholecystitis and cholecystectomy should be higher in these patients. some studies have shown that the risk of postoperative complications is higher in the diabetics. this cross-sectional study has been done from ۱۳۷۴ to ۱۳۷۷ in two university hospitals (Bahonar and Kerman-Darman) of Kerman. the study is conducted on ۲۲۷ sequential patients with cholecystitis that were candidates for cholecystectomy within ۷۲ hours of diagnosis. after preliminary therapy and para clinic study: including fasting blood sugar (FBS) measurement, upper midline laparotomy was performed following induction of general balanced anesthesia. stage of the disease was registered during the operation. the subjects were followed up to ۳۰ days for detection of postoperative complications. there were ۳۴ (۱۵%) diabetics (۵ type-۱ and ۲۸ type-۲ diabetics) with age of ۶۲.۶±۱۱.۹ years, and ۱۹۲ (۸۵%) nondiabetic patients aged ۵۴.۴±۱۵.۸ years old. therefore the age of diabetics were higher than that to nondiabetics ($p=0.0008$). FBS of diabetic and nondiabetic groups were ۱۸۹.۱۲±۵۳.۶۴ mg/dl and ۹۱.۴۴±۱۵.۱۵ mg/dl respectively ($p=0.0001$). as for as progression of the disease, ۲۵ (۱۳.۵%) of diabetics and ۹۰ (۷۴%) of non diabetics had a higher stages of cholecystitis ($p<0.05$). postoperative complications were encountered in ۱۵ (۳۸.۴%) cases of diabetic and ۲۱ (۱۰.۵%) cases of nondiabetic groups ($p<0.001$, OR=۵.۳۳, X=۱۹.۸۶). it seems that increased prevalence of postoperative complications in diabetic patients is due to more advanced stages of their disease at the time of diagnosis. however systemic changes due to aging in diabetic patients should also be considered.

کلمات کلیدی:

acute cholecystitis, Diabetes Mellitus, operative complication

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