The role of ultrasound in evaluating patients with biliary obstruction in king Faysal General Hospital, kingdom of Saudi.Arabia, Taif City

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Abstract: Main center of research for this study is role of ultrasound in evaluating patients with biliary obstruction in king Faysal General Hospital, kingdom of Saudi. Arabia, Taif City. The main results of this study are: 1) Ultrasound examination can demonstrate biliary obstructions. 2) Regarding the type of obstruction and main causes of obstruction ultrasound examinations of the gallbladder can detect stone, sludge and other complication diseases, according to my study, ultrasound can detect gallbladder diseases with accuracy of more 96% 3) According to the relationship of biliary tree especially common bile duct and common hepatic duct to the portal vein, hepatic artery and the duodenum, ultrasound can detect obstruction, stricture or any compression due to tumor with accuracy more than 94% with good quality ultrasound machine, good patient's preparations and experience skill sonographer, especially in the distal part of common bile duct due to the duodenum bowel and gases obscuring the duct. magnetic resonance image help us in reporting, follow up & for data reference which helps in the research. 4) According to my study biliary obstruction are more incidences with patient's weight, and increases in females more than males. [Dr Ibrahim Abdalla Mohamed Elshikh. The role of ultrasound in evaluating patients with biliary obstruction in king Faysal General Hospital, kingdom of Saudi. Arabia, Taif City. Academia Arena, 2012;4(1):31–36] http://www.sciencepub.net.7

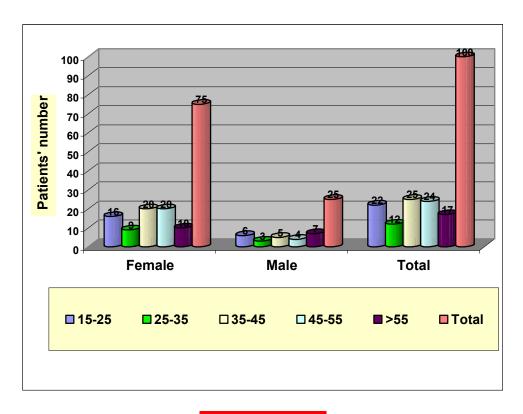
Keywords: ultrasound; patient; biliary; obstruction

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IV-1-Data Presentation

Table: 1 Sex with Age

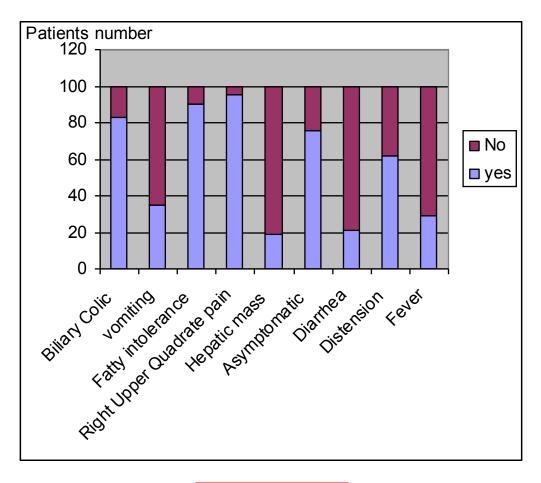
Age	Male	%	Female	%	Total
15-25	6	24	16	21.3	22
25-35	3	12	9	12	12
35-45	5	20	20	26.7	25
45-55	4	16	20	26.7	24
>55	7	28	10	13.3	17
Total	25	100	75	100	100



Graph: 1 Sex with Age

Table: 2 Clinical Features

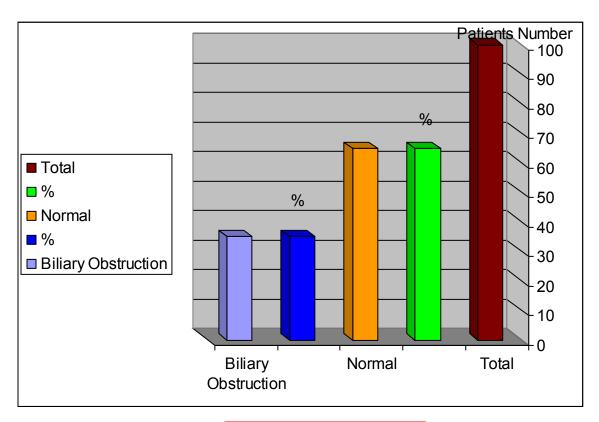
Clinical feature	yes	No
Biliary Colic	83	17
vomiting	35	65
Fatty intolerance	90	10
Right Upper Quadrate pain	95	5
Hepatic mass	19	81
Asymptomatic	76	24
Diarrhea	21	79
Distension	62	38
Fever	29	71



Graph: 2 Clinical Features

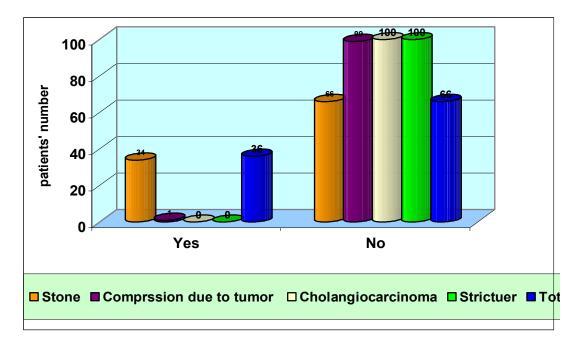
Table: 4 Ultrasound Findings (Results)

Biliary Obstruction	%	Normal	%	Total
35	35	65	65	100



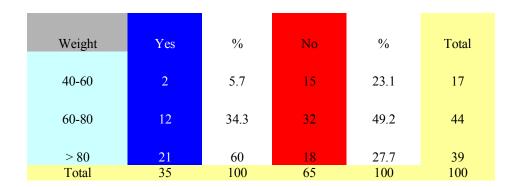
Graph: 4 Ultrasound Findings

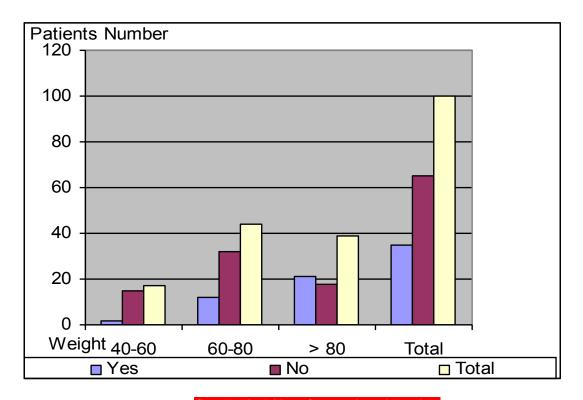
Causes	Yes	%	No	%	Total
Stone	34	34%	66	66%	100
Compression due to tumor	1	1%	99	99%	100
Cholangiocarcinoma	0	0%	100	100%	100
Stricture	0	0%	100	100%	100
Total					100



Graph: 5 Causes of Obstruction

Table :(6) Biliary Obstruction with weight





Graph: (6) Biliary Obstruction with weight

Result and CONCLUSION:

In this study the diagnostic accuracy of ultrasound in the gallbladder was more than 96% and in the common bile duct more than 94% we can said the accuracy of ultrasound in biliary system obstruction is more than 95% where it assitance in providing guidance for the procedure

Finally out of all the prementioned facts ultrasound is playing an essential tools in detection

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Refernces:

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