

الآية

# بسم الله الرحمن الرحيم

قال تعالى

قُلْ لَوْ كَانَ الْبَحْرُ مِدَاداً لِكَلِمَاتِ  
رَبِّي لَنَفِدَ الْبَحْرُ قَبْلَ أَنْ تَنْفَدَ كَلِمَاتُ  
(رَبِّي وَلَوْ جِئْنَا بِمِثْلِهِ مَدَدًا

صدق الله العظيم

الكهف (109)

## **Dedication**

This research paper is lovingly dedicated to my respective parents who have been my constant source of inspiration and prayers for success in my education .

and also dedicated to my brother and sister who help as in achieving my dreams .

To my friends who assist me with effort and prayers.

To all who love me and ilove them

## **Acknowledgment**

All feeling of thanks and parachutes send to my supervisor

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For his real help and support and encouragement and guidance this work until its completion .

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Thanks to everyone how help me through all my academic years

## **Abstract**

This study was intended to determine the prevalence of gallstone in diabetic patients in Sudan. The design of this study was descriptive and analytical, where the data collected from 152 subjects; 102 diabetic patients and 50 non-diabetic patients, all participants underwent abdominal ultrasound to diagnose the presence of gallstone. The results of this study showed that; the frequency of patients with diabetes and gallstone were found to be 18 (17.6%). While for the non-diabetic patients the presence of gallstone were found to be 2 (4%). In conclusion this study reveals that gallstone mostly tend to be found in patients with and diabetes mellitus rather than non-diabetic patients.

## المستخلص

كان الغرض من هذه الدراسة هو تحديد مدى انتشار حصوة المرارة في مرضى السكري في السودان. كان تصميم هذه الدراسة وصفية وتحليلية، حيث جمعت البيانات من 152 شخص؛ 102 من مرضى السكري و 50 غير مصابين بمرض السكري، وجميع المشاركين خضعوا للفحص بالموجات فوق الصوتية البطن لتشخيص وجود حصوة المرارة . وأظهرت نتائج هذه الدراسة أن تكرار المرضى الذين يعانون من مرض السكري مع وجود حصوة المرارة كان 18 (17.6%). أما بالنسبة لغير مرضى السكري كان تكرار الحدوث هو 2 (4%). في الختام تكشف هذه الدراسة أن حصوة تميل في الغالب إلى أن تكون موجودة في المرضى الذين يعانون من السكري عوضاً عن غير المصابين بالسكري.

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## **List of abbreviation:**

Abbreviation	Meaning
DM	Diabetic Mellitus
GS	Gallstone
GB	Gallbladder
USS	Ultrasound Scanning
CBD	Common Bile Duct
GSD	Gallstone Disease
ACE	acute emphysematous cholangitis