



شبكة المعلومات الجامعية  
التوثيق الإلكتروني والميكروفيلم

# بسم الله الرحمن الرحيم



**MONA MAGHRABY**



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# شبكة المعلومات الجامعية التوثيق الإلكتروني والميكروفيلم



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# جامعة عين شمس

## التوثيق الإلكتروني والميكروفيلم

### قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها  
علي هذه الأقراص المدمجة قد أعدت دون أية تغيرات



### يجب أن

تحفظ هذه الأقراص المدمجة بعيدا عن الغبار



**MONA MAGHRABY**

**Neutrophils to lymphocytes ratio and platelets to  
lymphocytes ratio as predictors of small intestinal  
lesions detected by video capsule endoscopy**

*Thesis*

*submitted for Partial Fulfilment Of master's degree In  
Gastroenterology and Hepatology Medicine*

by

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بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

قالوا

سبحانك لا علم لنا  
إلا ما علمتنا إنك أنت  
العليم العظيم

صدق الله العظيم

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## LIST OF ABBREVIATIONS

Abbrev.	Full term
ALT	Alanine Aminotransferase
AST	Aspartate Aminotransferase
AVM	Arteriovenous Malformations
CBC	Complete Blood Count
CD	Crohn's Disease
CE	Capsule Endoscopy
CKD	Chronic Kidney Disease.
CR	Completion Rate
CT	Computed Tomography
DR	Data Recorder
DY	Diagnostic Yield
EGD	Esophagogastroduodenoscopy
FDA	Food and Drug Administration
HSP	<i>Henoch-Schonlein Purpura</i>
IBD	Inflammatory Bowel Disease
IBS	Irritable Bowel Syndrome
LFTS	Liver Function Tests
M/L ratio	Monocyte to Lymphocyte Ratio
M2A	(Mouth to Anus) Capsule
N/L ratio	Neutrophil to Lymphocyte Ratio
P/L ratio	Platelet to Lymphocyte Ratio



RBC	Red Blood Cell
ROC	Receiver Operating Characteristic Curve
SB	Small Bowel
SBCE	Small Bowel Capsule Endoscopy
SBVQ	Small-Bowel Visual Quality
UC	Ulcerative Colitis
VCE	Video Capsule Endoscopy
WBC	White Blood Cell
WHO	World Health Organization

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## INTRODUCTION

Capsule endoscopy (CE), also known as wireless capsule endoscopy or video capsule endoscopy, is a gastrointestinal study that uses a pill camera to take images of the intestinal lumen (*Beg et al., 2018*).

There are many indications for (CE), The most common indication is for obscure gastrointestinal bleed thought to be located in the small bowel after upper and lower endoscopic procedures failed to find a bleeding source. Video capsule has a 35% to 77% detection rate of obscure gastrointestinal bleeds (*Di Nardo et al., 2018*).

Other indications for small bowel (CE) are as follows: diagnosis of Crohn's disease and evaluation of Crohn's disease activity, diagnosis of celiac disease, and evaluation of refractory celiac disease, polyposis syndrome surveillance, small-intestine tumors such as neuroendocrine tumors, or carcinoid tumors (*Esaki et al., 2019*).