Table (1): Demographic characteristics in the studied patients

Parameters		Studied patients (n=30)	
		N	%
Age (years)	Mean± SD	54.3± 7.69	
	Median (IQR)	54.0 (49.25- 60.5)	
	Range	38- 68	
Gender	Male	21	70.0%
	Female	9	30.0%

SD= standard deviation, IQR: interquartile range

Table (2): CBC in studied patients

CBC findings	Studied cases (n=30)				
	Mean	**±SD**	**Median**	**Minimum**	**Maximum**
Hemoglobin (G/DL)	11.66	±1.46	12.00	9.20	13.50
Hematocrit (%)	39.85	±2.56	39.00	36.00	45.00
R.B.Cs count (M/ UL)	4.18	±0.48	4.10	3.50	4.98
MCV (FL)	82.68	±5.44	81.00	74.00	91.50
CBC findings	**Studied cases (n=30)**				
	Mean	**±SD**	**Median**	**Minimum**	**Maximum**
MCH (PG)	30.84	±2.51	30.00	27.50	36.00
MCHC (g/DL)	34.06	±2.05	33.10	32.00	37.00
RDW-CV (%)	12.44	±0.99	12.40	11.00	13.80
Platelet Count (K/UL)	267.73	±61.94	244.00	176.00	392.00
W.B.Cs count (K/UL)	9.94	±1.83	9.85	6.51	12.50
neutrophil count (/UL)	7.65	±1.46	7.75	4.50	9.50
lymphocytic count(UL)	1.36	±4.69	1.20	9.90	2.63
neutrophil/lymphocyte ratio	5.93	±1.35	5.90	3.40	7.90

Table (3): Renal function tests and electrolyte profile in studied patients

	Studied cases (n=30)				
	Mean	**±SD**	**Median**	**Minimum**	**Maximum**
Serum Urea (mg/dl)	46.43	±10.18	50.00	26.00	61.00
Serum Creatinine (mg/dl)	1.10	±0.25	1.00	.80	1.50
Serum Sodium (mEq / L)	140.43	±3.50	140.00	135.00	146.00
Serum Potassium (mEq/L)	3.82	±0.26	3.90	3.40	4.20
Serum Uric acid (mg/dl)	5.30	±0.68	5.10	4.50	6.50

Table (4): Liver function tests in the studied patients

	Studied cases (n=30)				
	Mean	**±SD**	**Median**	**Minimum**	**Maximum**
AST (U/L)	37.63	±8.27	35.00	29.00	51.00
ALT (U/L)	26.30	±8.34	25.00	17.00	45.00
Total bilirubin (mg/dl)	1.01	±0.17	1.00	.80	1.30
Direct bilirubin (mg/dl)	.60	±0.27	.70	.10	1.00
Prothrombin time (12-15s)	14.17	±2.65	13.50	11.00	19.00
Serum Albumin (g/dl)	4.16	±0.29	4.00	3.80	4.70

AST: Aspartate aminotransferase, ALT: Alanine aminotransferase

Table (5): Inflammatory markers in the studied patients

	Studied cases (n=30)				
	Mean	**±SD**	**Median**	**Minimum**	**Maximum**
CRP	4.91	±4.55	5.60	.00	12.00
ESR 1st hour	21.67	±4.22	20.00	13.00	27.00
ESR 2nd hour	47.43	±10.94	48.00	20.00	61.00

Table (6): Distribution of intestinal ultrasonography findings among the studied patients

Parameters		Studied patients (n=30)	
		n	%
Bowel wall thickness	Mean± SD	4.53± 1.66	
	Median	5.0	
	Range	1.0- 6.50	
Bowel wall Stratification	Absent	9	30.0%
	Present	21	70.0%
Doppler activity	Grade 0	10	33.3%
	Grade 1	17	56.7%
	Grade 2	0	0.0%
	Grade 3	3	10.0%
Mesenteric fat (fatty wrapping)	Abnormal	0	0.0%
	Normal	30	100.0%

Table (7): Distribution of intestinal ultrasonography findings of complications among the studied patients

Parameters		Studied patients (n=30)	
		n	%
Complications	No	24	80.0%
	Secondary reactive edema	3	10.0%
	Superficial infection, subcutaneous granulation tissue	3	10.0%

Table (8): Results of assessing the activity based on Intestinal US findings among the studied patients

Parameters	Studied patients (n=30)	
	n	%
Active	23	77.0%
Inactive	7	23.0%

Table (9): Distribution of colonoscopy findings among the studied patients

Parameters		Studied patients (n=30)	
		n	%
	Normal	3	10.0%
	Abnormal	27	90.0%
Colonoscopy findings	**diffuse ulceration with mucosal hyperemia markedly at rectosigmoid**	7	23.3%
	hyperemic mucosa with skip lesions located at sigmoid colon and ileum	4	13.3%
	non specific	3	10.0%
	terminal ileitis	10	33.3%
	terminal ileum stricture	6	20.0%
	Total	30	100.0%

Table (10): Distribution of CTE findings among the studied patients

Parameters		Studied patients (n=30)	
		n	%
	Normal	6	20.0%
	Abnormal	24	80.0%
CT findings	**Distal ileal long segment of circumferential mural thickening and submucosal edema with adjacent mesenteric congestion**	3	10.0%
	Normal	6	20.0%
	Recto sigmoid thickening	7	23.3%
	Terminal ilium thickening	14	46.7%
	Total	30	100.0%

Table (11): Distribution of intestinal MRE findings among the studied patients

Parameters		Studied patients (n=30)	
		n	%
	normal	2	7.0%
	Abnormal	28	93.0%
	Distal ileum loops and terminal ileum: mural thickening up to 5 mm with mild luminal irregularity and deep fissures noted in terminal ileum.	4	13.0%
	Normal	2	7.0%
Parameters		**Studied patients (n=30)**	
		n	**%**
MRE findings	**Terminal ileum circumferential thickening**	18	60.0%
	recto sigmoid thickening	6	20.0%
	Total	30	100.0%

Table (12): Inter-rater agreement (relation) between intestinal US with colonoscopy in assessment of studied Crohns patients

	Intestinal U/S findings	Colonoscopy findings	Test value	P-value	Kappa agreement (95% CI)
	No. = 30	No. = 30			
Normal	7 (23.3%)	3 (10.0%)	1.920	0.166	-0.163 (-0.303 – -0.024)
Abnormal	23 (76.7%)	27 (90.0%)			

P value< 0.05 is significant, P value< 0.01 is highly significant.

Table (13): Inter-rater agreement (relation) between intestinal US with C.T Enterography in assessment of studied Crohns patients

	Intestinal U/S findings	C.T Entrography findings	Test value	P-value	Kappa agreement (95% CI)
	No. = 30	No. = 30			
Normal	7 (23.3%)	6 (20.0%)	0.098	0.754	-0.275 (-0.421 to -0.128)
Abnormal	23 (76.7%)	24 (80.0%)			

P value< 0.05 is significant, P value< 0.01 is highly significant.

Table (14): Inter-rater agreement (relation) between intestinal US with M.R.E results in assessment of studied Crohns patients

	Intestinal U/S findings	M R. Entrography findings	Test value	P-value	Kappa agreement (95% CI)
	No. = 30	No. = 30			
Normal	7 (23.3%)	2 (6.7%)	3.268	0.071	-0.116 (-0.249 to 0.017)
Abnormal	23 (76.7%)	28 (93.3%)			

P value< 0.05 is significant, P value< 0.01 is highly significant.

Table (15): Correlation in validity of intestinal US in comparsion to Colonoscopy in diagnosis of patients with Crohns Disease

		Colonoscopy findings		Test value	P-value	Sig.
		Normal	Abnormal			
		No. = 3	No. = 27			
Intestinal U/S findings	Normal	0 (0.0%)	7 (25.9%)	1.014	0.314	NS
	Abnormal	3 (100.0%)	20 (74.1%)			

Colonoscopy findings	TP	TN	FP	FN	Sensitivity	Specificity	PPV	NPV	Accuracy
Intestinal U/S findings	20	0	3	7	74.1%	0.0%	87.0%	0.0%	0.667

Table (16): Correlation in validity of intestinal US in comparsion to C.T Enterography in diagnosis of patients with Crohns Disease

		C.T Entrography findings		Test value	P-value	Sig.
		Normal	Abnormal			
		No. = 6	No. = 24			
Intestinal U/S findings	Normal	0 (0.0%)	7 (29.2%)	2.283	0.131	NS
	Abnormal	6 (100.0%)	17 (70.8%)			

C.T Entrography findings	TP	TN	FP	FN	Sensitivity	Specificity	PPV	NPV	Accuracy
Intestinal U/S findings	17	0	6	7	70.8%	0.0%	73.9%	0.0%	0.567

Table (17): Correlation in validity of intestinal US in comparsion to M.R. Enterography in diagnosis of patients with Crohns Disease

		M R. Entrography findings		Test value	P-value	Sig.
		Normal	Abnormal			
		No. = 2	No. = 28			
Intestinal U/S findings	Normal	0 (0.0%)	7 (25.0%)	0.652	0.419	NS
	Abnormal	2 (100.0%)	21 (75.0%)			

M R. Entrography findings	TP	TN	FP	FN	Sensitivity	Specificity	PPV	NPV	Accuracy
Intestinal U/S findings	21	0	2	7	75.0%	0.0%	91.3%	0.0%	0.700