



Isfahan University of Medical Sciences
Department of Gastroenterology



Iranian Association Of Gastroenterology And Hepatology
Isfahan Branch

Advisory Commission and Grand Round

January 01 2024



Digestive Health Center
Azzahra Hospital, Isfahan

List of cases-January 01 2024

	Patient	Fellow	page
230904	A 32-year-old female	Dr. Izadi	3
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A 32-year-old female

Patient has undergone a kidney transplant since 2 years ago, and since about 4 months after the transplant, an increase in liver enzymes has been observed, and no specific cause has been found during the investigations. No fatigue, no change of bowel movements, no nausea or vomiting and no abdominal pain.

PMHx

The patient in 2016 at 16 weeks of pregnancy was admitted to the hospital due to high blood pressure, peripheral edema, proteinuria and increased creatinine, and underwent a kidney biopsy. The result of the biopsy was FSGS, and she was treated, and according to the doctors' opinion, a legal abortion was performed. He was treated for two years, and then dialysis started for the patient, and a kidney transplant was performed from June 2021.

She describes an increase in liver enzymes during dialysis (we have no evidence).

SHx

He does not use cigarettes, alcohol or drugs

He exercises 40 minutes a day

DHx

Cellcept 500 mg bid ×1

Prograf 1 mg bid ×1

Prednisolone 5 mg 1/2 qod

Levothyroxine /nephrivit/magnesium



- The patient intends to get pregnant, according to the course of liver enzymes and the result of liver biopsy, it should be examined in terms of the necessary recommendations and OK for pregnancy.

Lab date	Alt	Ast	Akp	Bili T	Bili D	GGT
00/07/18	58	25	221			
01/01/14	54	24	139			
01/02/10	40	24	153			
01/03/04	65	36	163			
01/05/04	110	34	381			
01/07/06	115	45	227	1.5	0.4	187
01/09/03	266	138	207			
01/12/10	50	31	178			
02/02/10	126	70	159			
02/04/19	65	37	160			
02/06/22	94	40	253			
02/09/01	44	35	169			

تاریخ پذیرش : 1400/07/18 07:52

IMMUNOLOGY

Unit Reference Value

Immunoglobulin (IgG)	1103	mg/dL	700-1400
Anti TTG(IgG)	6.3	AU/ml	Upto 20
Anti TTG(IgA)	1.2	AU/ml	upto 20
Hbs-Ag	Negative	Ratio	Negative(PHISHTAZ)

Method And Kit Name : Elisa phishtaz

HCV-Ab	Nonreactive	Ratio	Nonreactive (PISHTAZ, Gen:3)
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Method And Kit Name : ELISA PISHTAZ

ANA (ELISA)	0.36	Index	Negative:<1 & Positive :>=1
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Smooth Muscle Antibody(IF)	Negative	Titer	UP to1/20
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Signature:

1401/08/11 18:18

BIOCHEMISTRY

Unit Reference Value

Serum Iron	28	L micg/dL	37-145
Iron Binding Capacity	318	micg/dL	228-428

U. BIOCHEMISTRY

Unit Reference Value

Urine Volume(24 h)	2100	H ml/24 hr	1000-1500
Urine Copper 24 hrs	10	micg/24H	10-70
Urine Creatinine(24 h)	964	mg/24 hr	600-1800

HORMONE

Unit Reference Value

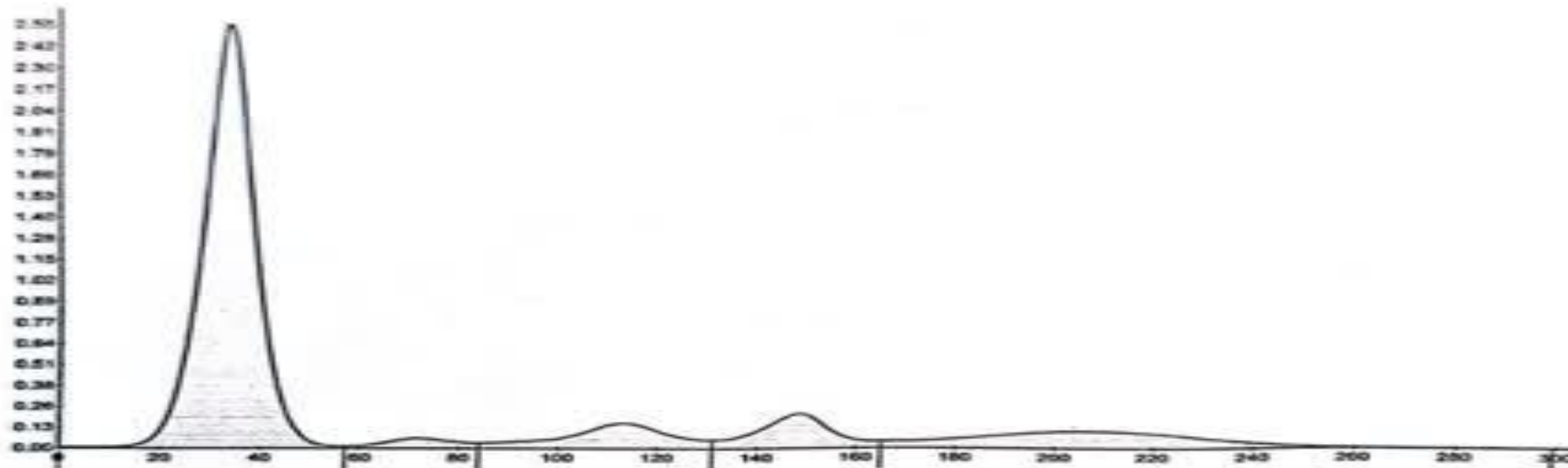
Ferritin	290	ng/mL	10-291
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IMMUNOLOGY

Unit Reference Value

Anti LKM	Negative	Titer	up to 1/10
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Serum Protein Hydrigel Electrophoresis



Fractions	%	Ref. %	g/dl
Albumin	67.8	59.8 - 72.4	4.9
Alpha 1	2.4	1.0 - 3.2	0.2
Alpha 2	8.6	7.4 - 12.6	0.6
Beta	8.2	7.5 - 12.9	0.6
Gamma	13.0	8.0 - 15.8	0.9

A/G Ratio : 2.11

Total protein:

7.3 g/dl

Normal Range:6.6_8.4 g/dl

Comment:

Normal Pattern.

Molecular Diagnostic Division

Test Name : Polyoma BK Virus (BK)

Specimen : Plasma

Method : Real Time - PCR

Result : **NEGATIVE**

Comment:

Viral DNA was NOT detected in patient's sample.

Test Procedure:

Patient sample is applied to DNA extraction followed by Real-Time PCR using specific primers.

Presence of BK specific amplicons is detected by specific probes.

Lab Director:

If you have more information please call us.

PCR

Unit Reference Value

CMV PCR Quantitative

Sample Type Plasma

Method DNA extracted by QIAamp DNA mini kit and QIAcube instrument. PCR was performed with Rotor-Gene Real-time PCR and CE & IVD approved detection kit.

Result Cytomegalovirus DNA Undetectable.

**CMV PCR:
Undetectable**

Comment: A result of "Undetectable" means the absence of CMV DNA or the CMV DNA concentration below the limit of the assay. CAUTIONS :The results should be interpreted in context of clinical finding, sampling, and laboratory data. If result obtained do not match other clinical and laboratory finding, please contact the laboratory for possible interpretation Misinterpretation of result may occur if the information provided is inaccurate or incomplete. Every molecular test has a 0.5-1% error rate This is due to rare molecular events and factors related to the preparation and analysis of sampling.

MRCP

- Gall bladder is normal in size, shape and signal intensity.
- Intra and extra hepatic bile ducts show no dilatation.
- Pancreatic duct ectasia is not seen.
- Liver, pancreas and spleen appear normal.
- Kidneys are small and atrophic (CRF).
- Obvious CBD stone is not seen.

در بررسی gray scale :

کبد به طول ۱۱۴ میلیمتر اندازه ، شکل و اکوی پارانشیمال نرمال دارد . توده رویت نشد .
مجاری صفراوی داخل کبدی نرمال است .

کیسه صفرا حجم و ضخامت جداری نرمال دارد . سنگ و اسلاژ رویت نشد .
CBD قطر نرمال دارد.

قطر ورید پورت در ناحیه پورتا هپاتیس در حالت دم عادی ۶.۶ میلیمتر و در حالت دم عمیق ۹.۶ میلیمتر
میباشد. میزان تغییر قطر در سیکل تنفسی ۳۳ درصد می باشد که در محدوده نرمال است .

قطر ورید طحالی در حالت دم عادی ۴.۵ میلیمتر و در حالت دم عمیق ۸.۲ میلیمتر میباشد. میزان تغییر
قطر در سیکل تنفسی ۴۰ درصد می باشد که در محدوده نرمال است .

طحال به طول ۱۳۳ میلیمتر میباشد که اندازه حد فوقانی نرمال دارد. اکوی پارانشیمال نرمال میباشد .
در بررسی کالر داپلر :

در ورید پورت فلوی هپاتو پتال نرمال مشاهده شد. سرعت متوسط ۱۱ سانتی متر بر ثانیه و سرعت حداکثر
۱۷ سانتی متر بر ثانیه میباشد گرچه این سرعتها حد تحتانی نرمال است اما تغییرات تنفسی و اسپکتروم موج
نرمال است.

شریان هپاتیک فلوی با مقاومت کم و RI برابر با ۰.۷۲ دارد.

قطر ورید کبدی میانی ۲ سانتی متر از IVC ۵.۳ میلیمتر است که در محدوده نرمال می باشد .
در وریدهای کبدی فلوی آنته گرید با اسپکتروم نرمال به سمت قلب مشاهده میشود.
وریدهای کولترال مشاهده نشد.

تفسیر : یافته های تصویر برداری به نفع هیپرتانسیون پورت رویت نگردید . ترومبوز در ورید پورت مشاهده
نشد . علائم سندرم بودکیاری مشاهده نشد .

History:

kidney transplant

Macroscopic:

Received specimen in formalin labeled as liver consist several tubular soft tan pieces total length 2cm and 0.1cm in diameter.

Microscopic:

Sections show liver tissue with normal cytoarchitecture contains 9 portal tracts. Portal tract was normal; rare lobular inflammation was identified parenchyma. On Masson trichrome staining fibrous expansion of portal tract with short septa was seen.

IHC staining n.1214 on block 8637 show:

-CMV: Negative

Diagnosis:

Liver core needle biopsy;
-Rare non specific lobular inflammation
-Fibrosis stage :1/4

02/08/17
Liver biopsy



24/01/01

A 34 years old female

She was referred due to abdominal pain and diarrhea and multiple surgeries.

The patient describes the history of frequent and sometimes bloody diarrhea from childhood. She mentions the history of appendectomy at the age of 9, and 4 months after that, he developed a vaginal fistula (rectovaginal fistula?) and fecaloid secretions. It has been taken out to be examined by a colonoscopy, the origin of which is not specified. Then, due to abdominal pain and abdominal distension, he was hospitalized, a colostomy was inserted, and after that, the vaginal fistula secretions gradually decreased and then stopped one year after the colostomy. Colostomy was closed and then secretions from the vaginal fistula started again. Finally, with the acceptance of the surgery by the forensic doctor, at the age of 16, he underwent surgery for the vaginal fistula.

Abdominal pains were transient after that and she was treated with neuromodulators under the supervision of a gastroenterologist. At the age of 17, following the death of her father, the abdominal pains worsened, and a colonoscopy was performed, and neuromodulators were continued.

The patient got married at the age of 17 and gave first delivery by caesarean section at the age of 19. She underwent surgery 40 days after delivery due to abdominal pain and obstruction. The adhesion band was diagnosed and enterolysis was performed, and part of the small intestine was removed.

- After the operation, while suffering from an infection and abscess at the surgical site and being treated with antibiotics, she was hospitalized again due to the exacerbation of abdominal pain and obstruction, and surgery was performed, and endolysis was performed.
- After the mentioned surgeries, the abdominal pain continued, and with the change of her gastroenterologist, she underwent another colonoscopy, and due to IBD, she was treated with Pentasa and Azram, for 3 years, and because Pentasa shortage, she stopped it arbitrarily.

At the age of 25, she got pregnant again, and the pregnancy was triplets, and in the 8th week of pregnancy, one gestational sac was aborted, and the other sac was empty of embryos and failed, and the other sac was preserved.

In the fifth month of the second pregnancy, due to intestinal obstruction, she was hospitalized again and underwent laparotomy, where enterolysis and ventral herniorrhaphy were performed. At 36 weeks, she underwent cesarean section and delivery.

She went to a surgeon last year due to abdominal pains, and during an ultrasound request due to numerous cysts in the left ovary, he underwent a left Oophorectomy. The patient herself mentioned that after the surgery, the abdominal pains improved for a short time.

- Abdominal pains have existed during the past years. She has been treated with mesalazine or Asacol enema by different doctors for IBD, despite endoscopy or pathology did not support IBD.
- After the recent surgery, the abdominal pain is mostly in the hypogastric region with the spread to the flanks on both sides, it is on and off, it has a pressing nature and is aggravated by consuming dairy products and legumes.
- Also, recently, along with the onset of abdominal pain, there has also been diarrhea with a frequent evacuation, which was accompanied by the discharge of pus and mucus.

- Currently, since about 2 months ago, she has been treated with budesonide by referring to a gastroenterologist with a possible diagnosis of Crohn's disease (she did not consent to a colonoscopy), after that, the number of pain attacks decreased and the intensity of abdominal pain was greater only when menstruation began.
- In the periods when there is no abdominal pain, the patient feels incomplete evacuation of feces and has 4-5 bowel movements during the day (tenesmus?), which has a loose consistency and does not contain pus or mucus.

PMHx

- Recent hospitalization (one month ago) and another hospitalization 5 months ago due to abdominal pain with diagnosis of flare of IBD
- Diabetes since three years ago
- Total thyroidectomy last year due to malignant nodule (papillary cell carcinoma)
- Fatty Liver
- Bipolar mood disorder

DHx:

Oxycodone for abdominal pain, budesonide, Gluterio 1000/5/12.5 /
Diabezide, Levothyroxine, Asentra

Colonscopy up to terminal ileum
 Indication: Evaluation for Crohn's Disease
 Premedication: nil by mouth
 Perianal region: Normal
 Anus: Normal
 Rectum: There were 4 small sessile polyps which were removed by biopsy forceps. The mucosa of rectum appeared normal. No evidence of inflammation.
 Sigmoid: Normal
 Descending Colon: Normal
 Transverse Colon: Normal
 Ascending Colon: Normal
 Cecum: Normal
 Terminal ileum was intubated & the scope passed up to the ileum. The mucosa appeared to be normal. Multiple biopsies were taken.
 Impression: Multiple diminutive rectal polyps
 No evidence of IBD

86/02/07

Multiple diminutive rectal polyps (removed by forceps)

Rectal mucosa was normal

Terminal ileum was normal

No evidence of IBD

IDOSCOPY NO: شماره اندوسکوپی: Date of Report: تاریخ تنظیم گزارش: 91/11/9 تعرفه درمانی: 990

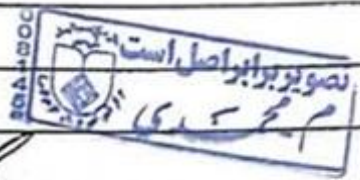
Atropine mg IV ; Diazepam mg IV ; Xylocain Suspensio Sparys

Type Of Endoscopy: Total colonoscopy + ileoscopy نوع اندوسکوپی:
 Discription: Sedation: oral pills شرح:
preparation: poor
premedicati: 2.5mg midazolam

Ans. skin tag
mucosal tags, probable fissur:

Rect. sigmoid. Descend. je. Transvers & Ascend. je.
 cals evaluated but due to poor preparation
 some abnormality might be missed

Terminal ileum appeared well



Anus: skin tag mucosal tag probable fissure
 Due to bad preparation some abnormality might be missed



Rectosigmoid



Descending Colon



Rectosigmoid



Rectosigmoid

۹۲/۰۴/۳۰

Sedation:

Anus: Normal (Colon was very bad prep)

Rectosigmoid: Rectosigmoid mucosa was hyperemic & edematous. Vascular pattern of the mucosa was abnormal so that, biopsy was done.

Descending Colon: Focal erythema was seen

Transverse Colon: Scopy of transverse colon was impossible due to colon was very bad prep

Ascending Colon:

Caecum:

Final Diagnosis: Comment : See pathology report & follow Up

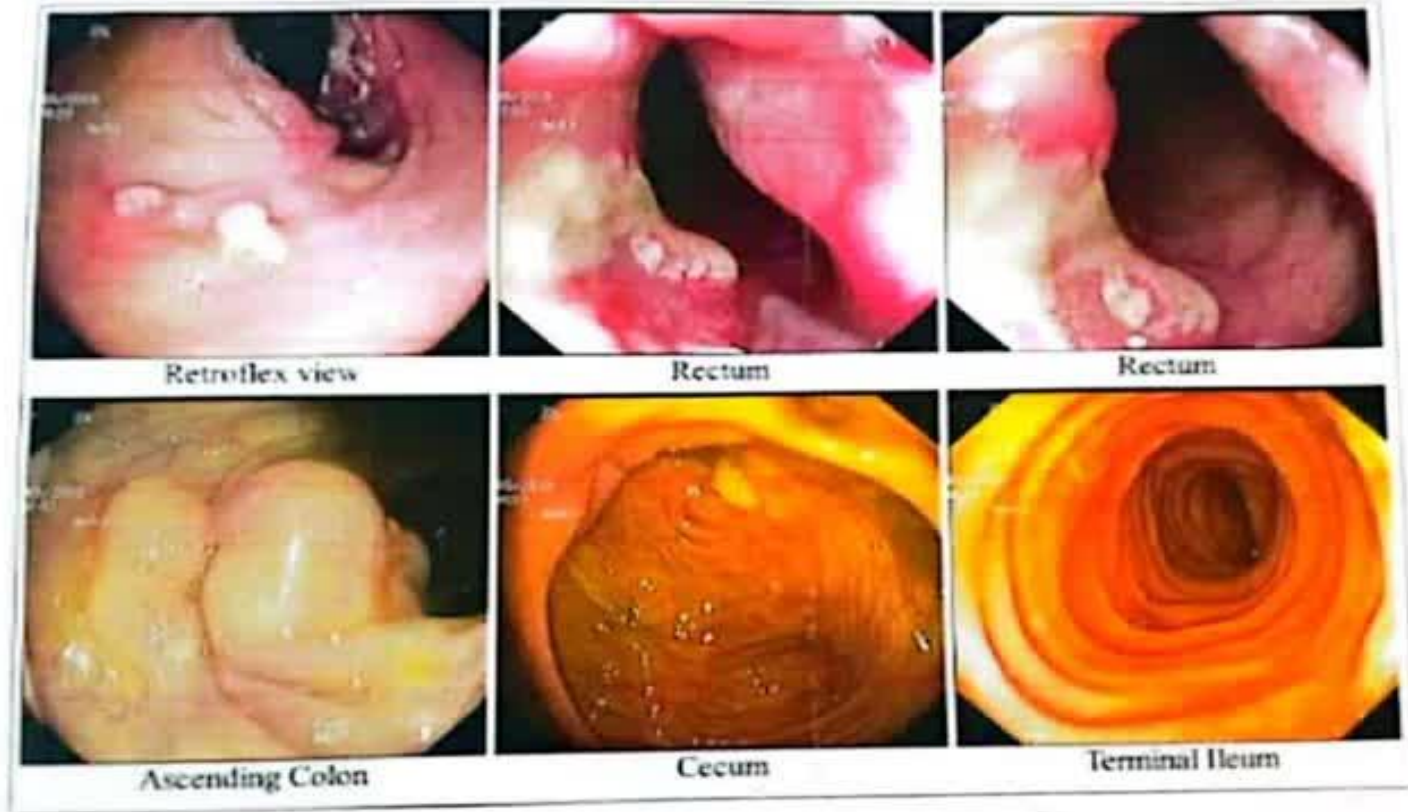
92/04/30

Rectosigmoid mucosa was hyperemic and edematous

Vascular pattern was abnormal

Focal erythema was seen in descending colon

Scope was not passed from transverse colon due to bad preparation



98/02/11
 Solitary rectal ulcer
 Pneumatosis coli in ascending colon
 Ileum: normal

Anus : Normal

Rectum : Solitary rectal ulcer .

Sigmoid colon : Normal

Descending colon : Normal

Transverse colon : Normal

Ascending colon : Pneumatosis Coli Biopsy was taken sent to pathology.

Cecum : Normal

Ileum : Normal

Diagnosis : Pneumatosis Coli.....Solitary ulcer

24/01/01

00/04/28

Small SHH

Procedure: Upper GI endoscopy

Indication: Melena??

Premedication: Spray lidocaine .

Esophagus: Normal. I

No esophageal varices.

Stomach: Small sliding hiatal hernia. Cardia, Fundus, Body and Antrum were normal.

Duodenum: D1 D2 were normal.

Imp: Small sliding hiatal hernia

میکروسکوپی :

نمونه ارسالی با برجستگی بیوپسی کولون (با شماره لام ۱۸۲) شامل چندین قطعه بافت گرم خاکستری جمعا با ابعاد ۱/۸۰/۱۰ سانتیمتر دارای فولام نسبتا نرم میباشد.

میکروسکوپی :

تجزیه میکروسکوپی بیوپسی ارسالی از کولون :

مقاطع از اپی تلیوم غندی روده بزرگ مشهود است. عدد توپولاز و دارای ساختار منظم میباشد. اتروفی و ابرمالیتی در ساختار دیده نمیشود. اگسترسیون متوسط سلولهای التهابی لنفوسیتها و تعداد اندک نوزینوفیل در لامینا پروپریا دیده میشود.

نفوذ لنفوسیتها به اپی تلیوم سطحی در محدوده طبیعی است و ضخامت کلاتژن ساب اپی تلیال در رنگ آمیزی ماسون تریپکروم کمتر از ۱۰ میکرومتر میباشد. Cryptitis، آبسه کریپتی، گرانولوم و فیشر دیده نشد.

تاریخچه دیده نشد.

**DX: Colon Biopsy:
Near Normal Histology.**

Macroscopy (N #99-391):

Received specimen in formalin consist of 4 irregular creamy soft tissue fragments totally measures 0.5x0.4x0.3 cm.Labeled as" Colon "mucosa biopsy.

SOS:4/1 Embedding = Total.

DX:Colon, mucosa , biopsy:

-
- Colon type mucosa with Non specific pathologic changes.
 - No evidence of active colitis or granuloma.
 - No evidence of dysplasia or malignancy.

Pathology report(BX of colon mucosa)

Pathology report(BX of rectal polyp)

تاریخ گزارش: ۱۳۹۹/۰۵/۲۸

تاریخ پذیرش: ۱۳۹۹/۰۵/۱۵

شماره پذیرش: P99-104



Surgical Pathology Report

Site of specimen: Rectal biopsy

Macroscopic:

Received specimen consist of 4 pieces totally 0.3cm in diameter

Microscopic:

Sections show fragments of polypoid architecture , in surface there are finger like progection and tubular glands in stroma with hyperchromatic nuclei .

Rectal biopsy :

DIG: Tubulo villous adenoma with low grade dysplasia

MR Enterography:

Field strength: [1.5] T

IV contrast material (agent and volume): [Omniscan 15 ml]

Poor technic MR entrography due to patient incooperation as far as detected

Findings : Image quality: [Satisfactory]

Small bowel distension: [Satisfactory]

Peristalsis: [Normal]

Skip lesions: [None]

Appearance [Homogeneous]

Stomach: [Normal]

Colon: [Normal]

Gallbladder: [Normal]

Spleen: [Normal]

Kidneys: [Normal]

Bones: [Normal]

Bowel wall thickening: [None]

Enhancement: [Normal]

Adenopathy: [None]

Duodenum: [Normal]

Liver: [Normal]

Pancreas: [Normal]

Adrenals glands: [Normal]

Lung bases: [Normal]

Impression : Suboptimal MRI study as far as detected normal

98/12/11

MRE:

NORMAL

Dear Dr.: Thank you for referring your patient to this department.

..... Abdominopelvic M.D.CT Scan-

The liver size and its parenchyma seem normal.

Cystic or solid liver lesion is not present.

Intra and extra hepatic biliary ducts are normal.

Gall bladder has smooth walls without calcified biliary stone.

No pancreatic mass lesion is present.

Spleen has normal size and contour.

Abdominal aorta and its main branches have normal diameter without significant stenosis.

No Para-aortic lymphadenopathy is seen.

Both adrenal glands have normal configuration.

Kidneys have normal shape and enhancement without renal mass.

There is no evidence of hydronephrosis.

Bladder wall thickness is normal without intravesical mass or stone.

Bowel loops have normal caliber.

Both adnexal fluid attenuating lesions are visible.(R/O ovarian cyst with US)

Evidence of previous abdominal wall incision is seen without dehiscence at present.

Spinal vertebrae and bony pelvis are normal without lytic/blastic lesion.

Intraperitoneal fluid was not seen.

IMP:

Post-surgical changes as described

در سونوگرافی به عمل آمده از شکم ولگن :

- شکل و ابعاد و اکوی پارانشیمال کبد و طحال نرمال است. (spleen span=100 mm)
- اکتازی مجاری صفراوی داخل و خارج کبدی رویت نشد. قطر ورید پورت و قطر CBD نرمال است.
- کیسه صفرا دارای حجم و ضخامت جداری طبیعی است. سنگ و اسلژ در کیسه صفرا مشاهده نشد.
- پانکراس و آنورت در حد قابل بررسی نرمال هستند
- هر دو کلیه دارای شکل و ضخامت و اکوی پارانشیمال طبیعی هستند.
- سنگ و هیدرونفروز در کلیه ها رویت نشد.
- مثانه دارای حجم و ضخامت جداری نرمال است. توده فضا گیر و سنگ در آن مشهود نیست.
- رحم دارای سایز و شکل نرمال است.
- تخمدان راست دارای ابعاد و اکوی نرمال است
- ضایعه سالیده و سیستیک در آدنکس راست رویت نشد.
- تخمدان چپ در محل آناتومیک خود رویت نشد. (اوفورکتومی چپ؟)
- در شکم ولگن مایع آزاد رویت نشد.

Calprotectin levels

Data	Calprotectin
93/05/12	43
94/07/27	>1000
96/09/11	>600
02/08/15	10.5

Lab date	WBC	HGB	MCV	PLT
94/07/30	6500	13.3	93	216000
96/09/11	7080	13	82	258000
98/01/24	8400	13.6	83	245000
02/08/30	10900	12.2	84	277000

Test Name	Result	Units	WBC Differential (%)	
WBC	7.08	10 ³ /uL	Neutrophil	58.3%
RBC	4.95	10 ⁶ /uL	Lymphocyte	28.1%
HGB	13.0	g/dL	Monocyte	11.0%
HCT	40.8	%	Eosinophil	2.3%
MCV	82.4	fL	Basophil	0.3%
MCH	26.3	pg		
MCHC	31.9	g/dL		
PLT	258	10 ³ /uL		
RDW-SD	40.1	fL		
RDW-CV	13.7	%		
PDW	13.5	fL		
MPV	10.9	fL		
P- LCR	32.4	%		
PCT	0.28	%		
Neutrophil	4.13	10 ³ /uL		
Lymphocyte	1.99	10 ³ /uL		
Monocyte	0.78	10 ³ /uL		
Eosinophil	0.16	10 ³ /uL		
Basophil	0.02	10 ³ /uL		

Notes: -Simense Advia 2120 Hematology analyzer
-Sysmex XT 1800i Hematology analyzer

Hematology

Test	Fla	Result	Unit	Method	Reference Range
(Sed.rate)1.ST.HR		14	mm/h		Male : 0-20 Female : 0-25 child : 0-10
(Sed.rate)2.ST.HR		39			

Notes: -Auto ESR Analyzer ELecltalab
-Coagulometer Stago
-Electrophoresis by Capillary 2 Flex

Serology

Test	Fla	Result	Unit	Method	Reference Range
C.R.P		11.8	mg/L	Immunoturbidimetri	Up to 6

24/01/01

Hormon

Test	Fla	Result	Unit	Method	Reference Range
ASCA-IgG		1.5	Au/ml	Chorus	Negative <12 Positive >18 Equivocal 12 - 18
P ANCA		0.3	U/ml	EIA(orgentec)	Normal < 5 Elevated > 5
Calprotectin in stool		>600	ug/g	Buhlman(EIA)	Negative < 50 Low inflammatory response 50 - 200

Question?

- Do you agree with the diagnosis of Crohn's?
- Should anti-TNF treatment be started?





A 29-year-old female

- Patient with a history of hepatitis B for about 2.5 years, who has been under medical treatment, is currently 6 months pregnant, and has been referred to decide to continuing or terminating the pregnancy.
- Her husband also has hepatitis B.

DHx:

1 spoon of MOM syrup every 8 hours

Replicut (Tenofovir disoproxil fumarate) 300mg daily

Lab Data

1399.05.01

WBC 5.1	AST 56	FBS 91
NEU:40% LYM:49%	ALT 76	BUN 13
RBC 5.2	ALK 301	CR 1
HB 13.8	TG 126	CRP NEG
MCV 76	CHOL 139	
PLT 193	HDL 29	
	LDL 85	

Lab Data

1400.08.30

WBC 9	PT 12.5
NEU:69% LYM:25%	PTT 30
RBC 4.4	INR 1.1
HB 12.7	Billi.T 1.3
MCV 79	Billi.D 0.5
PLT 172	AST 29
	ALT 22
	ALK 235

Molecular Diagnostic Division

Test Name: Hepatitis B Virus (HBV)

Specimen : Plasma

Method : Quantitative PCR

Result : 280 (IU/ml)

← 1×10^8

Test Procedure:

Total DNA was extracted from patient's plasma and followed by Real-Time PCR using specific primers and probe. Presence of HBV specific amplicons was detected by specific fluorogenic probes.

HBV DNA viral load was 280 (IU/ml).

Sonography

1400.09.02

The size of the liver is 125 mm normal, but its echogenicity is slightly increased and coarse. (Fatty liver grade 0-I)

The image of a hemangioma with a diameter of 6 mm is seen in the right lobe of the liver.

Dilation was not seen in the intrahepatic and extrahepatic bile ducts. The diameter of the proximal CBD is 2 mm and normal.

The portal vein (9) mm and hepatic veins have normal diameter and flow.

There were no signs of stones, sludge, or thickness of the wall in the gallbladder.

The volume and wall of the gallbladder is normal.

There is no evidence in favor of ascites fluid in the abdomen, and the patient is pregnant.



Lab Data

1401.05.06

WBC 6.2	TG 50	HBS Ag POSITIVE
NEU:50% LYM:44%	CHOL 134	
RBC 4.9	HDL 42	
HB 12.8	LDL 82	
MCV 77		
PLT 192		

Lab Data

1401.10.29

WBC 5.8	AST 45
NEU:45% LYM:38%	ALT 53
RBC 5.4	HBS Ag 15
HB 13.8	
MCV 77	
PLT 181	

Pregnancy sonography

1402.06.28

Fetal Heart Rate : Normal(158 bpm)

Fetal Presentation: Breech

Position Of Placenta: Anterior - low lying

Amniotic Fluid index: normal

Mean Ga= 14 w 0 d

B.P.D = 25 mm: 14 w 2d

He =94 mm: 14 w 1d

Ac = 80 mm: 14w 2d Fl = 12.3 mm: 13 w 4d

Fw= 88 gr

درمانگاه نورالهدی
برگه گزارش سونوگرافی

تاریخ پذیرش: 1402/06/28 نوع سونوگرافی: حاملگی

Number Of Fetus: Single

Fetal Heart Rate : Normal(158 bpm)

Fetal Presentation: Breech

Position Of Placenta: Anterior – low lying

Amniotic Fluid index: normal

Mean Ga= 14 w 0 d

B.P.D = 25 mm: 14 w 2d

He = 94 mm: 14 w 1d

Ac = 80 mm: 14w 2d

Fl = 12.3 mm : 13 w 4d

Fw= 88 gr

EDD:2024.3.19

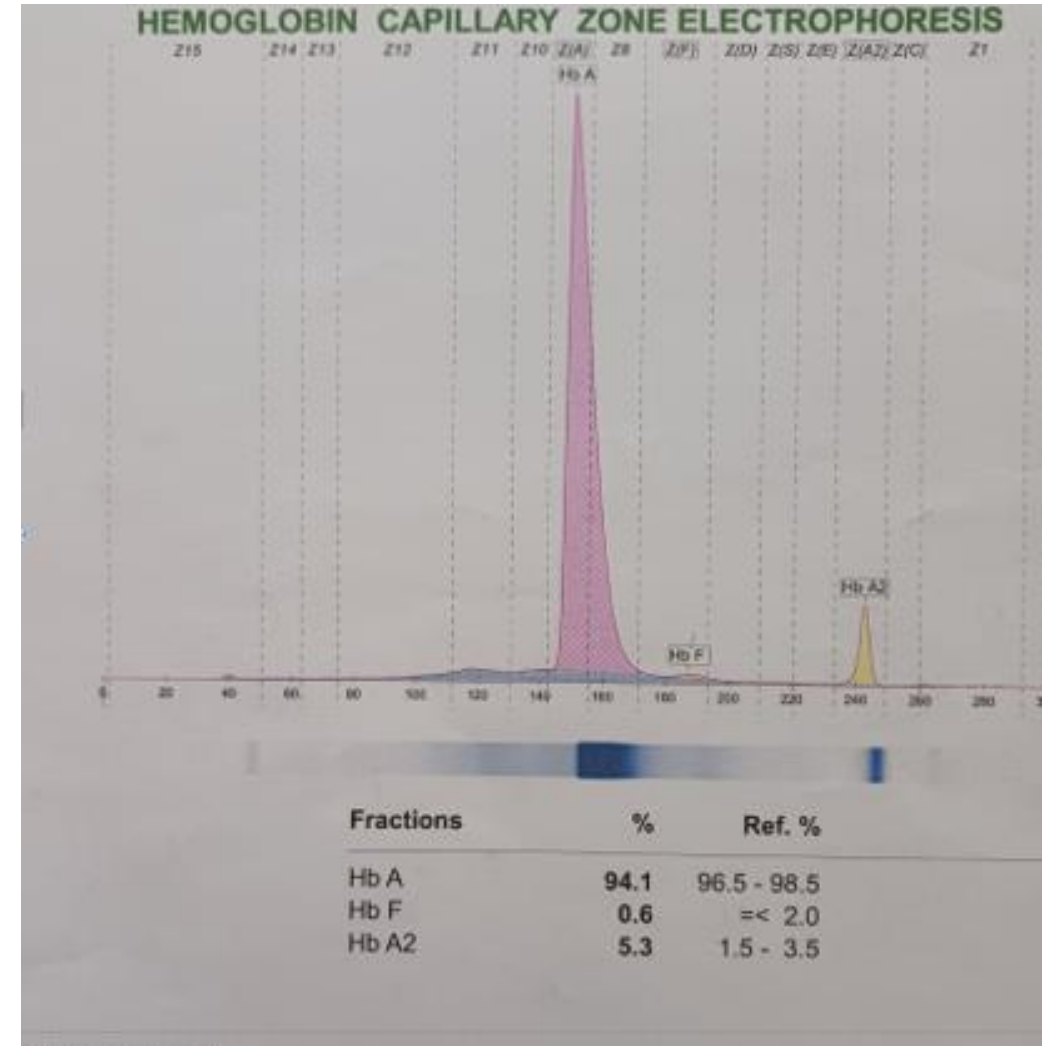
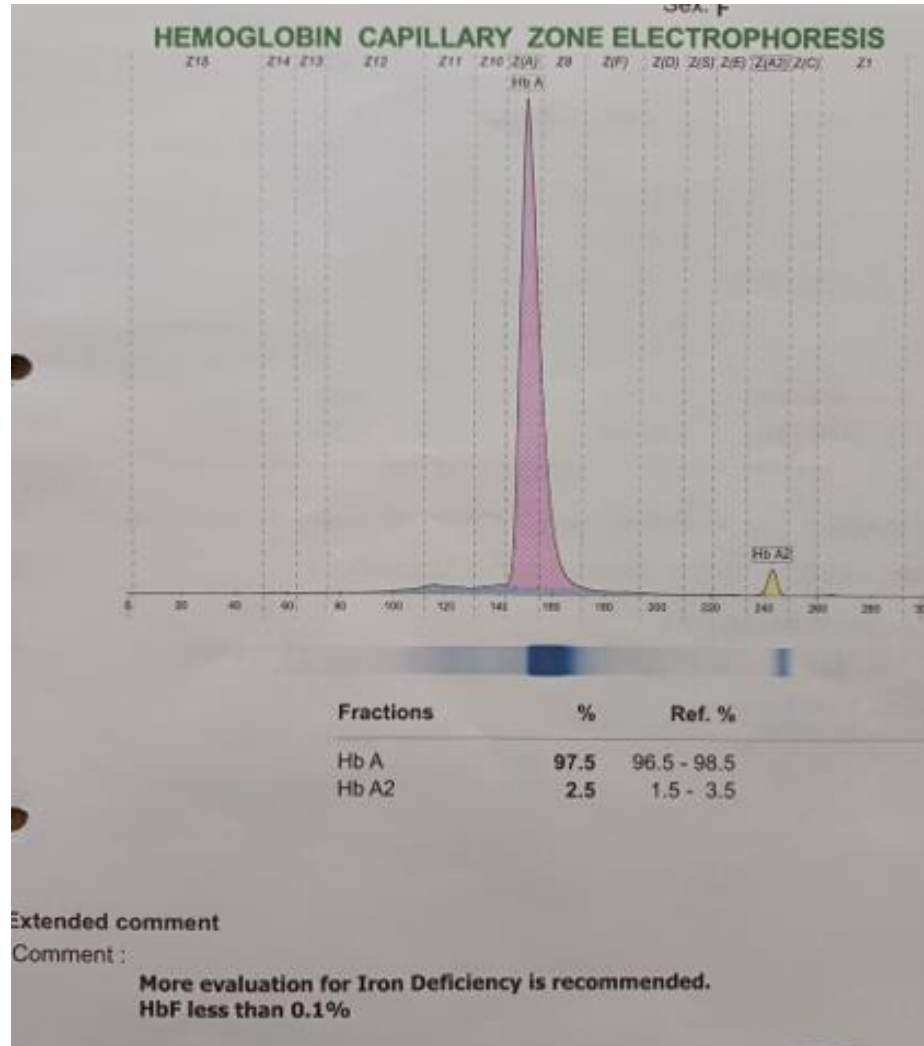
Lab Data

1402.06.29

WBC 5.9	HBs Ag POSITIVE	FBS 77
NEU:58% LYM:34%	VDRL NEG	BUN 8
RBC 4.6	COOMBS NEG	CR 0.8
HB 11.5		
MCV 77		
PLT 156		

HEMOGLOBIN ELECTROPHORESIS

1402.07.03



Pregnancy Sonography (Anomaly scan)

1402.08.01

Pregnancy Sonography (Anomaly scan) :

- Number of fetus : Single
- Amniotic Fluid : Normal
- Presentation : Transverse
- Placenta : Anterior
- Sex : male
- Cervical length (TA) = 41 mm

Fetal Biometry	
BPD	41mm : 18W + 4D
HC	159mm : 18W + 5D
AC	140mm : 19W + 2D
FL	28mm : 18W + 5D
Humorous	28mm : 19W + 2D
Gestational Age by sono	18W + 6d
EFW	271gr ± 10%
EDC	2024/03/19 ± 10 d
EDC	1402/12/29 ± 10 d

Soft markers	
Nuchal fold thickness : 2.6 mm	NL
Nasal Bone length : 5 mm	NL
Ventriculomegaly	Not seen
Hyper echogenic Bowel	Not seen
Echogenic Intracardiac Focus	Not seen
Choroid plexus cyst	Not seen
Mild Pyelectasis	Not seen
Short Femur & Humorous	Not seen

دکتر حسن مرتضائی
 رئیس رادیولوژی و سونوگرافی
 ۱۳۰۲۲۰۰

Fetal Anatomy				
		Normal	Abnormal	Comment
Head, neck & face	Skull (Shape- Integrity)	"		
	Lateral ventricle	6.8 mm		
	Choroid plexus	"		
	Cavum septum pellucidum	"		
	Midline falx	"		
	Cerebellum	18.9 mm		
	Cisterna magna	4.4 mm		
	Lips & Nostrils	"		
Thorax	Nasal Bone	5 mm		
	Orbits	"		
	FHR = Regular	151 bpm		Fetal echocardiography is suggested if clinically is indicated
	Heart Position & Size	"		
Four chamber view	"			
Lungs	"			
Abdomen & Pelvis	Integrity of Diaphragm	"		
	Abd, wall & Cord insertion	"		
	Stomach	"		
	Kidneys	"		
	Urinary Bladder	"		
Spine	Umbilical cord vessel number	"		
	Appearance	"		
Extremities	Upper & Lower Long Bones	Present <input checked="" type="checkbox"/>	Absent <input type="checkbox"/>	
	Hands & feet	Present <input checked="" type="checkbox"/>	Normal Relation <input checked="" type="checkbox"/>	Absent <input type="checkbox"/>

Sonography

1402.09.12

Liver has normal size but coarse and heterogeneous.

The image of a mesenteric lymph node measuring 36 mm is evident in the hilum of the liver, which is in favor of abdominal lymphadenopathy.

Evaluation of liver parenchymal diseases is recommended.

Dilation was not seen in the intrahepatic and extrahepatic bile ducts. The portal vein and hepatic veins have normal diameter and flow.

The volume and wall of the gallbladder is normal.

There were no signs of stones, sludge, or wall thickness in the gallbladder.

The image of a hyperechoic lesion with a diameter of 2.5 mm is evident in the gallbladder, which can indicate a polyp.

در سونوگرافی انجام شده از کبد و کیسه صفرا :

اندازه کبد طبیعی و اکوژنیسته آن **Coarse** و هتروژن است .

تصویر لنف نود مزانتریک در هیلم کبد دیده شد . این کبد در هیلم کبد در بافتی اشکی می باشد .

بررسی از نظر بیماری های پارانشیمال کبد توصیه می شود .

اتساع در مجاری صفراوی داخل کبدی و خارج کبدی دیده نشد .

ورید پورت و وریدهای کبدی دیامتر و فلوی نرمال دارند .

حجم و جدار کیسه صفرا طبیعی است .

در کیسه صفرا علامتی از سنگ و اسلاژ و ضخامت جدار دیده نشد .

تصویر ضایعه هیپراکو به دیامتر ۲/۵ میلیمتر در کیسه صفرا مشهود است که می تواند مطرح کننده پولیپ

باشد .

Lab Data

1402.09.19

WBC 8.2	CA 19-9 38.9
NEU:67% LYM:25%	AFP 208
RBC 4.1	AST 34
HB 10.7	ALT 27
MCV 81	ALP 219
PLT 186	Billi.T 1.1
	Billi.D 0.5
	PT 14.4
	INR 1.1



A 65-year-old man

The patient has been suffering from abdominal pain in the preumbilical and hypogastric areas for about 7-8 years, which worsened with eating and accompanied by nausea and vomiting due to which he was hospitalized several times. Details will be given

Also, the patient complains of dysphagia to solids and liquids during this period, which has intensified in recent months

The patient has also been examined several times due to hematoma and hematochezia

He has lost pathological weight in recent years and also complains of constipation

Drug history:

Famotidine daily

Clidinium C every 12 hours

Dimethicone every 8 hours

MR Enterography

1396.11.12

Peristalsis: [Normal.] / **Skip lesions:** [None.] / **Fistula** [Absent] / **Anal fissure:** [None.]

Small bowel distension: [Satisfactory.] / **Enhancement:** [Normal.] / **Abscess** [Absent]

Stomach: Evidence of **dilatation & elongation of stomach** is noted.

Duodenum: [Normal.]

Colon: **Distension & dilatation of sigmoid colon up to RUQ suggestive for sigmoid volvulus with deviation of liver to left side & small bowel loops to Rt. side is noted.**

Distal sigmoid colon diffuse wall thickening is seen.

Pancreas: [Normal.] / **Spleen:** [Normal.] / **Adrenals glands:** [Normal.] / **Liver:** [Normal.] / **Gallbladder:** [Normal.]

MR Enterography:

Field strength: [1.5] T
Omniscan 15 cc

IV contrast material (agent and volume):

Clinical information : Abdominal pain

Comparison : No

Findings : Image quality: [Satisfactory.]

Small bowel distension: [Satisfactory.]

Peristalsis: [Normal.]

Skip lesions: [None.]

Enhancement: [Normal.]

Anal fissure: [None.]

Stomach: Evidence of dilatation & elongation of stomach is noted.

Duodenum: [Normal.]

Colon: Distension & dilatation of sigmoid colon up to RUQ suggestive for sigmoid volvulus with deviation of liver to left side & small bowel loops to Rt. side is noted.

Distal sigmoid colon diffuse wall thickening is seen.

Liver: [Normal.]

Spleen: [Normal.]

Kidneys: [Normal.]

Bones: [Normal.]

Pancreas: [Normal.]

Adrenals glands: [Normal.]

Lung bases: [Normal.]

بیمارستان تخصصی عسکریه (ع)
دکتر سعید خان بابا پور
MRU - C.T.S
تلفن: ۰۵۹۳۵۰۰۰۰

Indication :

در روده

Sedation :



DRE : *nl*

Rectosigmoid : *nl with plenty of fecal material*

Descending Colon : -

Transvers colon

Ascending colon

Cecum

Terminal ileum :

DX : *Re-colonoscopy with good prep*

colonoscopy

Indication : *ulcer*

Sedation : *F*

Hypo pharynx :

Esophagus : *A small salmon colour Area was seen on distal Esophagus so that Bx was done*

Stomach :

Cardia : *Multiple erosions with patchy erythema*

Fundus : *was seen Bx was done*

Body : *Sliding hiatal hernia was seen*

Antrum : *Duodenal bulb was not done due to anatomical problem.*

Duodenum : **bulb :**

D2 :

Dx :

Erosive Gastritis
① C/o - $H. pylori$

Recommendation :

① UGIS



EGD

Indication : *PIH*

Sedation : *+*

DRE : *M* scope was passed up to ascending cecum

Rectosigmoid : Rectum w/m erythematous, BA was done.

Descending Colon : Colon prep was poor but

Transvers colon no lesion was seen

Ascending colon

Cecum

Terminal ileum :

DX : *No Duct*



Recommendation : *MR enterography*
Feb 6/16 *Jobanishah* *in* *Colon*

Colonoscopy 1396

PATHOLOGY

1396.06.08

Diagnosis :

Esophagus : **Barretts esophagus**

Stomach : **Active chronic gastritis, giemsa staining for H.pylori: Positive**

Rectum : Within normal limits

پاتولوژیست
Path.No : 4516

Specimen
نمونه ارسالی شامل 3 ظرف است
ظرف اول با برجسب بیوپسی مری حاوی 2 قطعه بزرگترین بابعاد 0.1*0.2*0.3 سانتیمتر است
ظرف دوم با برجسب بیوپسی معده حاوی 2 قطعه بزرگترین بابعاد 0.1*0.2*0.2 سانتیمتر است
ظرف سوم با برجسب بیوپسی رکتوم حاوی 2 قطعه بزرگترین بابعاد 0.2*0.2*0.1 سانتیمتر است

Microscopic Examination
1- ظرف اول: در مجاورت بافت اینتلیوم اسکواموس حاوی هپریلازی سلول بازال قطعاتی از اینتلیوم غددی همراه با سلول گابلت دیده شد. در استر مخاط ارتشاح لنفویلاسماسل وجود دارد
2- ظرف دوم: ارتشاح سلولهای التهابی حاد و مزمن شامل نوتروفیل و لنفویلاسماسل در استر مخاط مشهود است. در لومن غدد هلیکوباکتر پیلوری دیده شد
3- ظرف سوم: نمای غدد و تراکم ارتشاح لنفوسیتی در استر مخاط در حد طبیعی است دراین نمونه ها علائم بدخیمی دیده نشد

Diagnosis
DX: Esophagus & Stomach & Rectum biopsy:
1/ Barretts esophagus
2/ Active chronic gastritis giemsa staining for H .pylori: Positive
3/ Within normal limits

دکتر محمد علی یقایی
MD AP-CP
MD AP-CP
MD AP-CP

31:08AM
196/06/13
Page 1 of 1

Date of Admission:

تاریخ پذیرش:

Bed:

تخت:

61

کریم

Time:

۹:۴۵

ساعت:

Chief Complaint Of The Patient History & Primary Diagnosis: شکایت اصلی بیمار و تشخیص اولیه:

Admission : GI Bleeding

1398.06.27

Final Diagnosis : تشخیص نهایی:

GI B

Medical & Surgical Procedures: اقدامات درمانی و اعمال جراحی:

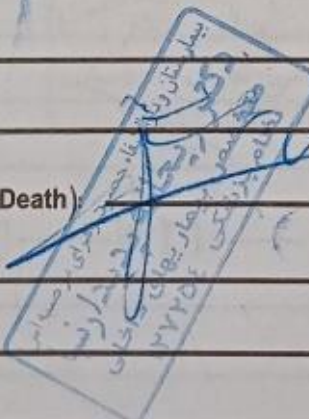
سی تی اسکن شکم

بیمار بستری شد

Results Of Clinical Examination: نتایج آزمایشات کلینیکی:

بیمار بستری شد

Disease Progress (Cause Of Death): سیر بیماری (در صورت فوت ، علت مرگ):



Patient's Condition At The Time Of Discharge: وضعیت بیمار هنگام ترخیص:

Endoscopy

1398.06.27

Reason for Endoscopy: Vomiting R/O GI Bleeding

Esophagus: Was normal. Z line was OK.

Fundus: Was not seen completely due to food & fluid in the stomach

Body: Was not seen completely due to food & fluid in the stomach

Antrum: was normal.

Bulb: Bulb deformity was seen.

Diagnosis: **GASTRIC MALROTATION, Mallory-Weiss Tear**



گزارش اندوسکوپی فوقانی

بیمارستان و دارالشفاء حضرت زهرا ای مرضیه (س)

بخش اندوسکوپی و کولونوسکوپی



سن: ۶۱	شماره پرونده: ۱۲۶۹۵	تاریخ: ۱۳۹۸/۰۶/۲۷
پزشک معرف:	جنسیت: مرد	



Reason for Endoscopy Vomiting R/O GI Bleeding

Findings

Esophagus Was normal. Z line was OK.

Fundus Was not seen completely due to food & fluid in the stomach

Body Was not seen completely due to food & fluid in the stomach

Antrum was normal.

Bulb Bulb deformity was seen.

Diagnosis GASTRIC MALROTATION, R/O Mallory Weiss Tear

Recommendation Repeat endoscopy after good prep.

بیمارستان و دارالشفاء حضرت زهرا ای مرضیه (س)
دکتر سهراب عطار
 متخصص داخلی - گوارش - اندوسکوپی
 نظام پزشکی ۵۷۶۶۵

Gated SPECT Myocardial perfusion Scintigraphy

1398.10.10

No evidence of appreciable stress-induced ischemia in the LV myocardium.

No significant wall motion abnormality on the gated images.

Post-Stress LVEF=56%

Dear Dr: Satei

Gated SPECT Myocardial perfusion Scintigraphy (Exercise Stress)

Procedure:

555 MBq Tc-99m sestamibi was injected at peak exercise and after 10 minutes stress images were obtained on SPECT mode. . On the next day after injection of 555 MBq Tc-99m sestamibi rest images were obtained in the same method.

Description:

The study shows rather homogeneous uptake throughout the myocardium. LV cavity size is normal.

Interpretation:

- No evidence of appreciable stress-induced ischemia in the LV myocardium.
- No significant wall motion abnormality on the gated images.
- Post-Stress LVEF=56%

Yours Sincerely
Nuclear Medicine Specialist

سرکار پزشکی هسته‌ای شهید چمران
دکتر مسعود مصلحی
متخصص پزشکی هسته‌ای - دانشیار دانشگاه
ن. پ. ۷۸۷۸۸

Endoscopy

1400.12.12

Reason for Endoscopy: Epigastric Pain

Esophagus: Small size sliding hiatal hernia

Body: Mosaic pattern in body and proximal of antrum biopsy was taken

Duodenum: Normal



گزارش اندوسکوپی فوقانی

بیمارستان و دارالشفاء حضرت زهرا (س) مرضیه (س)

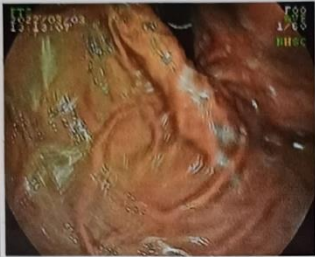
بخش اندوسکوپی و کولونوسکوپی



نام بیمار: حسن جعفری	سن: ۶۳	شماره پرونده: ۱۹۸۸۳	تاریخ: ۱۴۰۰/۱۲/۱۲
پزشک: احمد کدخدائی	پزشک معرف:		



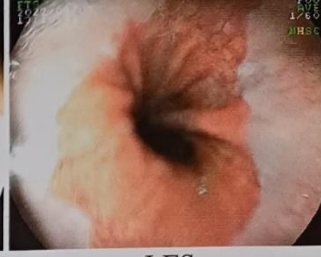
Cricopharyngeus



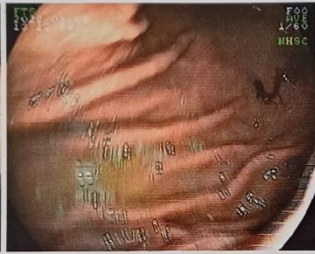
Cricopharyngeus



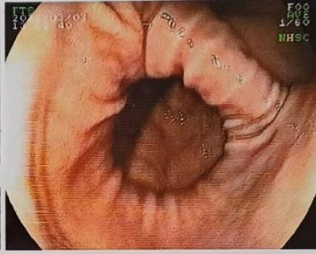
LES



Fundus



Body



Antrum



Duodenum, 2nd

Reason for Endoscopy : Epigastric Pain

mal position

Premedication : 3 puf Xylocaine

Findings :

Esophagus : Small size sliding hiatal hernia

Body : Mosaic pattern in body and proximal of antrum biopsy was taken

Duodenum : Normal



PATHOLOGY

1400.12.12

Gastric Biopsy (Antrum):

Moderate Chronic Gastritis

No Dysplasia

Atrophy Not Seen

Intestinal metaplasia Absent

H.Pylori Infection Are Seen (HP++).

ماکروسکوپی:

نمونه دریافتی شامل ۲ قطعه به ابعاد ۰/۳*۰/۲*۰/۲ cm می باشد.

میکروسکوپی:

در بررسی بیوپسی برداشته شده از ناحیه **انتروم معده**، اپی تلیوم سطحی و غدد نمای طبیعی دارند. در لامینا پروپریا ارتشاح متوسط لنفوسیت و پلاسماسل دیده شد. انفیلتراسیون نوتروفیلها بر روی اپی تلیوم غدد دیده نشد. دیسپلازی انروفی و متاپلازی روده ای و زخم نمایان نیست. در رنگ آمیزی اختصاصی کلونیزاسیون متوسط هلیکوباکتریلوری دیده شد.

DX : Gastric Biopsy (Antrum) :

- **Moderate Chronic Gastritis**
- **No Dysplasia**
- **Atrophy Not Seen**
- **Intestinal metaplasia Absent**
- **H.Pylori Infection Are Seen (HP++).**

ارمايشگاه بیمارستان حضرت زهراى مرضيه لس
Pathologist : DR Mahim Lotfi
متخصص آناتومیکل و کلینیکل پاتولوژی

Admit : GI Obstruction (stomach volvulus) & Laparotomy

1401.05.26

Date of Admission Time: ۱۳۰۱/۰۵/۲۶ تاریخ پذیرش ساعت	Bed: تخت ۱۲۲۷/۰۲/۰۷	Date of Birth: تاریخ تولد ۱۳۲۷/۰۲/۰۷	Father's Name: نام پدر کریم
Chief Complaint Of The Patient History & Primary Diagnosis: شکایت اصلی بیمار و تشخیص اولیه			
Final Diagnosis: تشخیص نهایی التهاب معده			
Medical & Surgical Procedures: اقدامات درمانی و اعمال جراحی			
Results Of Clinical Examination: نتایج آزمایشات کلینیکی در معده التهابی و مری			
Disease Progress (Cause Of Death): سیر بیماری (در صورت فوت - علت مرگ) التهاب معده و مری			
Patient's Condition At The Time Of Discharge: وضعیت بیمار هنگام ترخیص			
Recommendations After Discharge: توصیه های پس از ترخیص			
Attending Physician's Signature: مهر و امضاء پزشک معالج			

Chest X-Ray

1401.05.26

همکار گرامی دکتر: سعید - قاسمی

رادیوگرافی قفسه صدري Chest :

اندازه قلب ومدیاستن طبیعی است .

در پارانشیم ریه ها ضایعه فعال دیده نشد.

زوایای جنبی باز و دیافراگم در حد نرمال است .

کادر استخوانی توراکس طبیعی است .

نتیجه: NORMAL C.X.R.

Abdominal X-Ray

1401.05.26

همکار گرامی دکتر: سعید - قاسمی

در کلیشه های تهیه شده از رخ خوابیده و ایستاده شکم

اثری از سنگ اوپاک سیستم ادراری و صفراری مشاهده نمی شود .

اثری از توده فضاگیر و یا کلسیفیکاسیون وجود ندارد .

اسپوندیلوز دژنراتیو فقرات کمری دیده می شود.

دیستانسسیون شدید روده ها بصورت خاص همراه با سطوح مایع هوای متعدد دیده می شود.

ناحیه لگن و نیمه تحتانی شکم بدون گاز می باشد.

نتیجه : (انسداد روده - با توجه به حالت خاص احتمال Volvulus مطرح می شود.

کنترل و آزمایشات تکمیلی توصیه می شود.

Echocardiography

1401.05.30

Normal LV size and systolic function, **LVEF= 60%**

Normal RV size and systolic function.

Pulmonary artery: normal.

No MS, mild MR.

No AS, NO AI.

No PS, No PI.

No TS, mod TR.

No PE.

Cardiac Chambers and Function:	
Left Ventricle (LV): normal in size.	LVDd: cm, LVDsy: cm, IVS: cm, Post Wall: cm
M mode EF: 60%, Global EF: 60%, Global LV systolic function is normal.	
Segmental LV systolic function: not R.W.M.A at rest.	
LV wall thickness: normal.	
Diastolic LV function: normal.	
RV assesmet: TAPSE: cm, mid RVD: cm.	
Right Ventricle (RV): normal in size.	RV systolic: normal.
Left Atrium (LA): mildly enlarged.	Right Atrium (RA): mildly enlarged.

Valves:	
Mitral Valve (MV): normal.	Mild MR (+)
Aortic Valve (AV): normal.	NO AI.
Tricuspid Valve (TV): normal.	Moderate TR (++)
TRG (mmHg): 30, PAP systolic (mmHg): 40	IVC: normal > 50% respiratory variation.
Pulmonary Valve (PV): normal.	NO PI.

Septums:	
Inter Atrial Septum (IAS): normal.	Inter Ventricular Septum (IVS): normal.

Pericardium:	
Pericardium is normal.--	

Vessels:	
Ascending aorta: normal.	Aortic arch: normal.
Descending aorta: normal.	Pulmonary artery: normal.

Conclusions:

- Normal LV size and systolic function, LVEF= 60%
- Normal RV size and systolic function.
- No MS, mild MR.
- No AS, No AI.
- No PS, No PI.
- No TS, mod TR .
- No PE.

Best regards,
Dr. M. Khosravi
Cardiologist

GI Series

1401.06.27

The shape and volume of the stomach is normal

Filling defect is not seen

Gastric outlet is normal

Contrast material was removed easily. The junction of stomach and esophagus is normal.

تاریخ: 1401/06/27 سن بیمار: 64 سال علت مراجعه: چکاب

همکار گرامی دکتر: سعید - قاسمی

گرافی مری - معده - اثنی عشر

شکل و حجم معده طبیعی است

Filling defect دیده نمیشود

Gastric outlet طبیعی است

خروج ماده حاجب به راحتی انجام گردید

Junction معده با ازوفاز نرمال است

Spiral CT Scan of AbdominoPelvic without contrast

1401.06.28

Liver, spleen and pancreas have normal size, density, architecture and contour.

Gall bladder, volume, location, wall thickness are normal.

Biliary tree, including intra- and extrahepatic ducts, have normal calibre. Kidneys size, location, axis, surface contour, and parenchymal density are normal.

Retroperitoneal & Paraaortic space is free from mass lesion or lymphadenopathy.

Mesenteric fat density is normal.

Urinary bladder volume and contour are normal.

Abdominopelvic wall musculature continuity are well preserved and hernia does not present.

Major great vessels calibre and courses are normal.

Severe dilatation of colon with sigmoid volvulus & retained barium contrast is seen.

Conclusion: Sigmoid volvulus

Spiral CT Scan of Abdominopelvic regions without contrast show:

Liver, spleen and pancreas have normal size, density, architecture and contour.

Gall bladder, volume, location, wall thickness are normal.

Biliary tree, including intra- and extrahepatic ducts, have normal caliber.

Kidneys size, location, axis, surface contour, and parenchymal density are normal.

Retroperitoneal & Paraaortic space is free from mass lesion or lymphadenopathy.

Mesenteric fat density is normal.

Urinary bladder volume and contour are normal.

Abdominopelvic wall musculature continuity are well preserved and hernia does not present.

Major great vessels caliber and courses are normal.

- Severe dilatation of colon with sigmoid volvulus & retained barium contrast is seen.

Conclusion : Sigmoid volvulus

Endoscopy

1401.06.30

Reason for Endoscopy : Epigastric pain

Esophagus: Esophagitis grade A was seen.

Fundus: was normal.

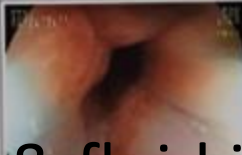



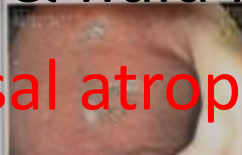


Body: Was not seen completely due to food & fluid in the stomach

Antrum: Mild mucosa erythema with mucosal atrophy was seen.

Bulb: was normal.

Duodenum: was normal.

Diagnosis PLEASE SEE ABOVE

جنسیت: مرد	پزشک: معروف	پزشک: سهراب عطارد	
			
			Antrum
Bulb	Duodenum, 2nd	Biopsy Points	
Reason for Endoscopy Epigastric pain			
Findings			
Esophagus Esophagitis grade A was seen.			
Fundus was normal.			
Body Wasnot seen completely due to food & fluid in the stomach			
Antrum Mild mucosa erythema with mucosal atrophy was seen.			
Bulb was normal.			
Duodenum was normal.			
Diagnosis PLEASE SEE ABOVE			
Recommendation Follow up pathology report			

PATHOLOGY

1401.06.30

Gastric Biopsy (Antrum):

Mild Chronic Gastritis

No Dysplasia

Atrophy Not Seen

Intestinal metaplasia Absent

H. Pylori Infection Are Seen (HP+).

ماکروسکوپی:

نمونه دریافتی شامل چند قطعه به ابعاد ۰/۸*۰/۳*۰/۲cm می باشد.

میکروسکوپی:

در بررسی بیوپسی برداشته شده از ناحیه انتروم معده، اپی تلیوم سطحی و غدد نمای طبیعی دارند. در لامینا پروپریا ارتشاح خفیف لغوسیت و پلاسماسل دیده شد. انفیلتراسیون نوتروفیلها بر روی اپی تلیوم غدد دیده نشد. دیسپلازی اتروفی و متاپلازی روده ای و زخم نمایان نیست. در رنگ آمیزی اختصاصی کلونیزاسیون خفیف هلیکوباکتری پیلوری دیده شد.

DX : Gastric Biopsy (Antrum) :

- Mild Chronic Gastritis
- No Dysplasia
- Atrophy Not Seen
- Intestinal metaplasia Absent
- H.Pylori Infection Are Seen (HP+).

3911

Pathologist : DR Mahim Lotfi

Lab Data

1401.12.14

WBC 10.3	FBS 89	TSH 0.9
Neu:62% Lym:29%	BUN 11	PSA 0.5
RBC 4.3	CR 1.15	U/A: NL
HB 12.9	CHOL 120	
MCV 91	TG 34	
PLT 290	HDL 57	
ESR 56	LDL 43	
Ferritin 180	AST 20	
	ALT 30	

Lab Data

1402.05.02

WBC 9100	FBS 89	TSH 2.2
Neu:54% Lym:37%	BUN 12	PSA 0.6
RBC 4.4	CR 1.1	U/A: NL
HB 14.1	CHOL 142	
MCV 92	TG 57	
PLT 217	HDL 62	
	LDL 64	
	AST 16	
	ALT 15	

Esophageal Fluoroscopy

۱۴۰۲/۰۸/۲۳

The esophagus is mildly dilated in the entire path.

Severe GE reflux is seen as in the supine position, the return of the contrast material to the cervical esophagus was observed, the contrast material also passes through the esophagus with a delay.

In the standing position, the contrast material passes through the esophagus in a normal period of time, but reflux is still seen with less intensity.

Ulcerative, malignant and obstructive lesions were not observed.

رادیوگرافی مری ، خوابیده و ایستاده (تحت فلوروسکوپی):

مری در تمامی مسیر مختصر متسع می باشد و ریفلاکس شدید G.E دیده می شود. بطوریکه در حالت خوابیده برگشت ماده حاجب تا مری گردنی مشاهده شد ، ماده حاجب نیز با تاخیر از مری عبور می کند. در حالت ایستاده عبور ماده حاجب از مری در مدت زمان نرمال صورت می گیرد ولی گماکان ریفلاکس G.E با شدت کمتر دیده می شود.

ضایعه اولسراتیو، مالیگنانت و انسدادی رویت نشد.



Considering frequent obstruction and dysphagia, are motility disorders relevant for the patient?

What are the measures that can be taken for the patient?



A 32-year-old woman

- Patient with a history of thalassemia minor has been suffering from non-specific RUQ and LUQ pain for 1 month
- The patient's pains are occasional and not related to eating or other things
- It has no accompanying symptoms.
- The patient performs an ultrasound of the kidneys:
Ultrasound of kidney and urinary tract is reported to be normal but an accidental liver finding was reported:

Sonography: 1402/8/21

Heterogenous lesion with lobulated borders and dimensions of 22x31 mm in the posterior segment of right liver lobe.

جناب آقای

سونوگرافی کلیه ها و مثانه انجام شده (رزینجو):

کلیه ها دارای حجم و اکوژنیسیته طبیعی هستند.
طول کلیه ها $Rt = 110mm$ و $Lt = 115mm$ است.
ضخامت پارانشیم کلیه چپ $14mm$ و کلیه راست $14mm$ است.


کور تکس منظم است. **CMJ** طبیعی است.
سنگ و هیدرونفروز دیده نشد.

مثانه دارای ضخامت جدار طبیعی عاری از سنگ و توده است.
اتساع یاسنگ در دیستال حالها دیده نشد.

حجم مثانه بر قبل از تخلیه $187cc$ و حجم مثانه پس از **Voiding (PVR)** برابر $29cc$ می باشد.

یافته اتفاقی:

ضایعه هتروژوس اکو با حدود لوبوله به ابعاد $31*22mm$ در سگمان خلفی لوب راست کبد دیده می شود انجام **CT-scan** تری فازیک کبد جهت بررسی بیشتر توصیه میگردد.



WBC	6/500
HB	11/9
RBC	4/12
MCV	85
MCH	28/9
HCT	25
PLT	171
CEA	-
CA19-9	- 24/01/01

CT without contrast: NL

16.MDCT(SPIRAL)SCANING OF ABDOMENO-PELVIC WITHOUT CONTRAST

Liver and spleen are normal and with no mass lesion.

no biliary ducts obstruction is seen with normal CBD.

pancreas is intact and with no sign of inflammatory changes or mass lesion.

Both kidneys are normal and with no stone, cystic or solid mass lesion.

No ureteral stone is seen

no para aortic adenopathy is noted and with no sign of ascites

uterus, urinary bladder and rectosigmoid are intact, and , with no sign of ascites with no pelvic adenopathy.

IMP: except small accessory spleen, no significant finding detected.

CT with contrast: hepatic adenoma

16.MDCT(SPIRAL)SCANING OF ABDOMEN WITH AND WITHOUT CONTRAST WITH DELAYED STUDY:

There is RT hepatic lobe 23/25 mm hypodense lesion with heterogenous Enhancement ,but with no typical hemangioma enhancement.

No biliary ducts obstruction is noted.

Pancreas and spleen are free of mass lesion or infiltration.

No celiac axis or paraaortic adenopathy is noted, with no indication of ascites.

Kidneys are normal and well functioning.

IMP: CT findings is suggestive hepatic adenoma.

10/02/08/29

MRI OF ABDOMEN WITH CONTRAST

- 1. Multiple sequences obtained cuts in coronal, axial views :
- 2. No enlarged lymph node is seen .
- 3. In the RT hepatic lobe 6 segment **22x25mm** ill defined lesion low on T1W and high on T2W and with heterogenous and hypovascular enhancement ,but with peripheral enhanced hemangioma and with no central scar ,infavor for FNH ,so hemangioma is most likely.
- 4. The size of the pancreas shows normal size and intensity.
- 5. The size of the spleen is unremarkable
- 6. The size of the aorta appear normal and no visible paraaortic lymph node enlargement is noted.
- 7. The size of the adrenal glands show normal size,shape and signal.

Dear Dr:

In review of triphasic CT study performed in Isabn-e-Maryam Hospital and MRI study performed in Sadoughi Hospital :

*Solid mass lesion of about 30*25mm at intersegment 7 and 6 , which shows nearly instant homogeneous enhancement during arterial and portal phases with washout in delayed phase without contrast pooling , without any central scar to show enhancement in delayed images during CT study , is slightly hyperintense in T2 weighted sequence in relation to normal surrounding liver parenchyma and very slightly hypointense in T1 weighted sequence , after injection of contrast only minimal heterogeneous enhancement is noted and it appears that MRI study of the patient is not standard in quality and timing of injection of contrast .*

Overall it is not possible to definitely differentiate between hepatic adenoma versus FNH and CT or ultrasound guided core needle biopsy is necessary for definite diagnosis .

What is best next step?

- CNB or FOLLOW UP





A 48-year-old woman

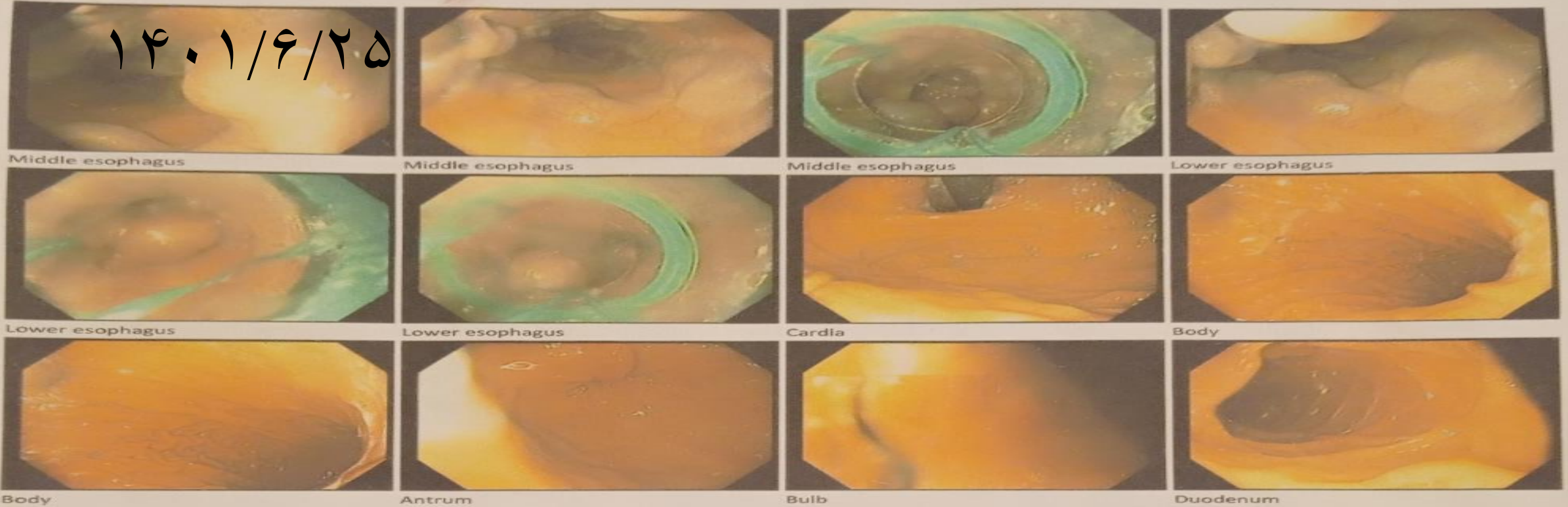
She has been suffering from swelling and cyanosis of the fingers, abdominal pain and generalized itching since 2016. During the tests, she found myelofibrosis positive for JAK2, and in the tests she found splenomegaly and chronic thrombosis of the portal vein. She was prescribed hydroxyurea and warfarin for 5 years.

Ultrasound of 2018: chronic thrombosis of portal vein and spleen 202 mm

In 2021, A hematologist stopped the patient's warfarin and hydroxyurea, after which he underwent an endoscopy due to abdominal pain, and they found esophageal varices.

Then ruxolitinib 15mg tablet be started.

۱۴۰۱/۶/۲۵



Reason for endoscopy: Hx of portal vein thrombosis/evaluation of Esophageal varice

Premedication: Midazolam 3mg

Description of procedure: The video endoscope was introduced up to the Duodenum with the following findings:

Esophagus: There were 4-5 rows esophageal varice F3 in middle and lower thirds. 7 esophageal rubber band ligation were applied.

Stomach: Fundus: No fundal varice was seen.

Body: diffuse patchy erythema and erosions were seen. (Portal hypertensive Gastropathy)

Antrum: a few erosions were seen

Duodenum: NL

Diagnostic and therapeutic operations: Endoscopic variceal ligation (EVL)/Portal hypertensive Gastropathy

Recommendation: Reendoscopy 4 weeks later

١٤٠١/٨/٢٧



Reason for endoscopy: Hx of Esophageal variceal ligation/endoscopy surveillance

Premedication: Midazolam 3mg

Description of procedure: The video endoscope was introduced up to the Duodenum with the following findings:

Esophagus: There were 3 rows esophageal varices F3. without bleeding stigma. 5 rubber band were applied

Stomach: Fundus: No fundal varice was seen

Body: NI

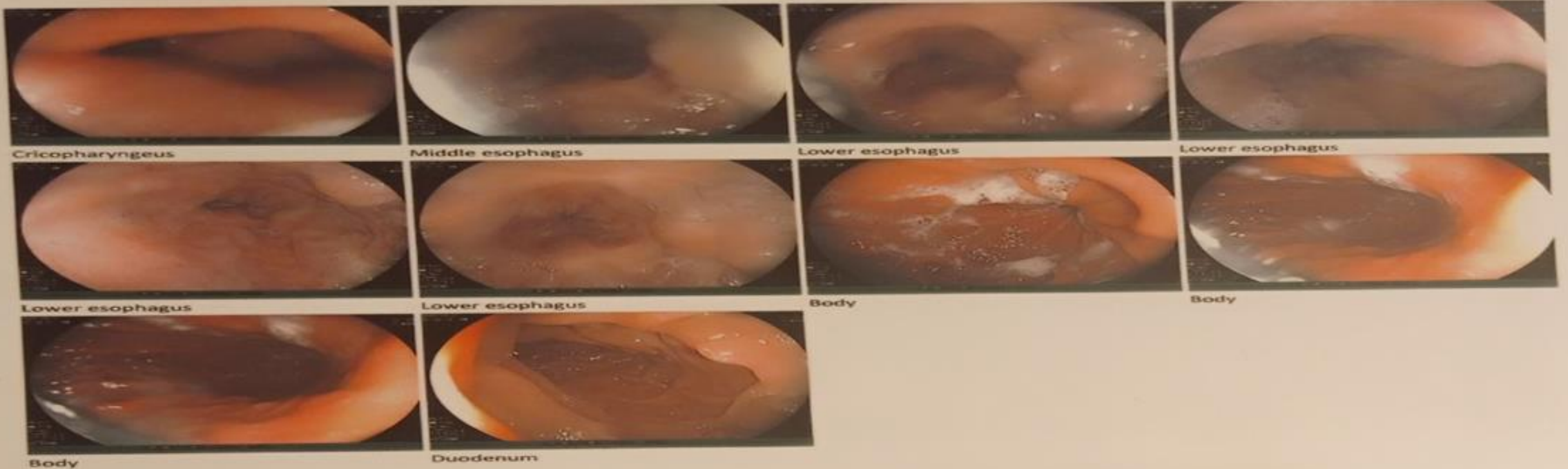
Antrum: NL

Duodenum: NL

Diagnostic and therapeutic operations: Esophageal varice/ (EVL)

Recommendation: Endoscopy 1 months later

١٤٠٢/٣/٣١



Reason for endoscopy: Hx of esophageal variceal ligation/endoscopy surveillance

Premedication: Midazolam 3mg

Description of procedure: The vide endoscope was introduced up to the Duodenum with the following findings:.

Esophagus: There are 4 rows of esophageal varice F2-F3 in middle and lower thirds .Three esophageal band were applied

Stomach: Cardia:small size Sliding hiatal hernia

Fundus:NI

Body:NI

Antrum:NI

Duodenum: NI

Diagnostic and therapeutic operations: See as above

Recommendation: Reendoscopy after 2months

۱۴.۲/۹/۹



Reason for Endoscopy : Hx of esophageal varice/portal thrombosis/jak2/mutation disease

Premedication : By Anesthesiologist

Description of procedure : The scope was introduced up to the duodenum;

Findings :

Esophagus : Ther were 5-6 rows of large esophageal varice F3 in middle and lower thirds.Six rubber band were appllied

Stomach : Cardia;NI

Fundus;No fundal varice was seen

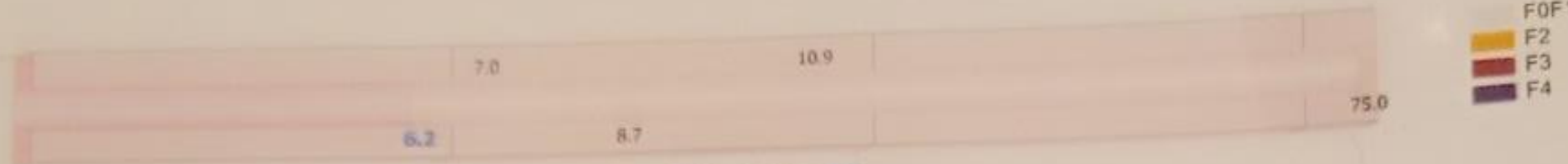
Body;mosaiic pattern.patchy erythema was seen.

Antrum:

Duodenum : NL

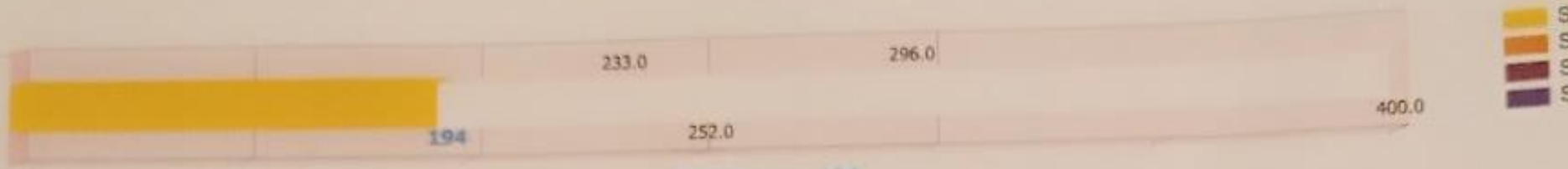
Diagnosis : Esophageal varice(Esophageal variceal ligation)

Recommendation : Reendoscopy in one month later/ppi



Fibro Score = 6.2

F0F1
F2
F3
F4



CAP Score = 194

S0
S1
S2
S3
S4

Fibroscan

Patient Score: **6.2 (kPa)**

Metavir Score: **F0F1**

CAP

Patient Score: **194 (dB/m)**

Steatosis Percent **0 - 10%**

Steatosis Stage: **S0**

Dear Colleague:

Thanks for referring this patient for fibroscan test.

I performed fibroscan in different parts of his liver. The median fibrosis score of his liver is **6.2** kPa, which is equal to **F0F1** based on Metavir histological index.

Please be advised in acute hepatitis, PHT status and cardiopulmonary congestion, result of fibroscan may be higher than the actual fibrosis of the liver.

Regards

۱۴۰۲/۴/۴

سونوگرافی : شکم و لگن

span کبد در خط مید کلاویکولار 133mm نرمال است . در پارانشیم کبد ضایعه فضاگیر مشهود نیست .
افزایش خفیف اکوی پارانشیمال کبد دیده می شود. (early stage of Fatty liver)
قطر CBD نرمال است . مجاری صفراوی کالیبر طبیعی دارد .
قطر وریدی 5mm که فلوی عروقی داخل آن مشاهده می شود. که به احتمال ترمبوز قبلی لومن آن کاهش یافته است.
عروق Coltral اطراف ورید پورت مشاهده می شود
تصویر دو سنگ در گردن کیسه صفرا به اقطار 2.4mm, 1.8mm مشاهده می شود.
تصویر یک ناحیه هایپر اکو در جدار خلفی کیسه صفرا به ابعاد 4.5mm مشاهده می شود که مطرح کننده پولیپ می باشد.
طحال به دیامتر طولی 200*139mm (Huge splenomegaly) دیده شد .
در حد حساسیت سونوگرافی در پانکراس و آئورت و پارائورت ضایعه ای دیده نشد.
کلیه ها دارای حدود، شکل، محل و ابعاد طبیعی هستند. ضخامت و اکوی کورتکس کلیه ها نرمال است.
کلیه راست به طول 105mm و ضخامت 13mm مشاهده شد.
کلیه چپ به طول 107mm و ضخامت 16mm مشاهده شد.
ضایعه فضاگیر solid دیده نشد. هیدرونفروز و یا علائم سنگ ادراری مشاهده نگردید .
ضخامت جداری مثانه نرمال است. در داخل مثانه سنگ و یا ضایعه فضاگیر مشاهده نگردید.
ابعاد و نمای سونوگرافیک تخمدانها نرمال است .
رحم دارای ابعاد 92*54mm مشاهده می شود. اکوی میومتر رحم طبیعی است.
تصویر یک میوم اینترامورال قدامی به ابعاد 33*26mm در رحم مشاهده می شود.
ضخامت اندومتر 6mm می باشد.
نابوتین کیست به قطر 16mm در سرویکس مشاهده می شود.
کلدوساک خلفی مایع مشاهده می شود.

Spiral CT Scan Of The Thorax with & without contrast

Technique: Plain axial 16-Detector multislice CT scan of the thorax with administering intravenous contrast has been performed with retrospective 2D multiplanar reconstruction. The study reveals:

Finding:

Cardiac size seems normal.

Lung parenchyma is clear with no active infiltration.

No mass lesion is seen as primary or secondary in lung fields.

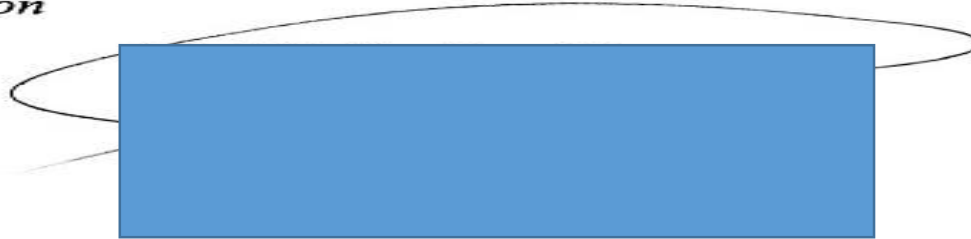
No hilar or mediastinal mass or adenopathy is present.

Pleural cavity is intact.

Bony thorax is normal.

Conclusion:

- *No Lung mass or infiltration*
- *No mediastinal LAP*



۱۴۰۲/۷/۵

Spiral CT scan of the Abdomen and Pelvic with & without Contrast

Technique: Plain axial 16-Detector multislice CT scan of the abdomen and pelvic after administrating intravenous contrast in portal phase and oral contrast has been performed with retrospective 2D multiplanar reconstruction. The study reveals:

Finding:

Liver is normal in size, shape and density with no space occupying lesion .

- Portal vein was not seen obviously (chronic thrombosis).
- There are multiple serpiginous and varices veins in bed of portal vein in favor of cavernous transformation are present.
- There are multiple varices veins at porta hepatis, neck of gallbladder, perigastric, distal of esophagus and perisplenic.

Intra and extra hepatic bile ducts are normal.

Pancreas is also normal with no S.O.L.

- Huge splenomegaly is seen (Spleen span=225mm)

Both kidneys show normal size and position with normal parenchyma and normal opacification.

No hydronephrosis is noted.

Renal or ureteral stone is not seen.

No paraaortic or paracaval adenopathy is present.

Pelvic organs are normal.

- Gastric wall thickening in antrum is seen , endoscopy for further evaluation is recommended.
- Few free fluid in pelvic cavity is seen.

Conclusion:

1. Chronic portal vein thrombosis
2. Portal cavernous transformation
3. Huge splenomegaly
4. varices veins at distal esophagus, gallbladder neck, perisplenic
5. No liver mass
6. Few pelvic free fluid

تجف آباد ، خیابان امام شرقی ، جنب پمپ بنزین میلم تمار
سونوگرافی : ۰۲۱-۴۲۶۴۱۱۲ ام آر آی : ۴۲۶۴۱۱۷

مرکز تصویربرداری پزشکی نسکا تجف آباد

دکتر
پوریا

۱۴۰۰/۵/۶

MRCP

- Huge splenomegaly is seen.
- Multiple serpiginous and tubular signal voids in upper abdomen and hepatic hilum are seen.
- The findings can be due to chronic portal vein thrombosis with cavernous transformation and Porto systemic collateral veins.
- Gall bladder wall thickening are seen can be due to gall bladder wall varices, but correlation with clinical findings is recommended for R/O cholecystitis.
- Small stone is seen in gall bladder.
- Intra and extra hepatic bile ducts show no dilatation.
- No CBD stone is evident.
- Pancreatic duct ectasia is not seen.
- Liver, pancreas and kidneys appear normal.

۱۴.۲/۱/۲۷

CLINICAL DATA: Exclusion of Malignancy

PROCEDURE:

The patient received an intravenous dose of **348 MBq** of fluorine-18 Fluorodeoxyglucose (FDG). Positron emission tomographic (PET) images from **skull-base to mid thigh** were then acquired after a **one-hour delay**. Also, acquired was a contemporaneous low dose non-contrast CT scan performed for attenuation correction of PET images and anatomical localization. The PET and CT images were digitally fused for display. All images were acquired on a combined PET-CT scanner unit. The CT quality of low-dose PET/CT study is not intended to replace the diagnostic CT quality used for clinical purposes. The patient received oral hydration.

CODING: Exclusion of malignancy

Mediastinal bloodpool SUV: 1.65

Liver blood pool SUV: 2.22

Blood Glucose level: 129 mg/dl

FINDINGS:

Head and Neck:

Small cervical lymph nodes with mild FDG uptake are observed at bilateral cervical zone Ia, likely inflammatory in origin (SUVmax up to 1.73). Non-FDG-avid, normal size and shape lymph nodes are seen in bilateral cervical zone III and also left supraclavicular region. Physiologic uptake is seen in the salivary glands and tonsils. Small cervical lymph nodes without significant FDG uptake are observed at bilateral zones II and III.

Thorax:

Lungs: No abnormal FDG uptake is visualized in the lung fields. Hyperdense, non-FDG-avid, slightly enlarged bilateral hilar lymph node is observed as old inflammatory reaction.

Mediastinum & Axillae: No abnormal FDG uptake is found in the mediastinum.

Non-FDG-avid subcentimetric lymph nodes are seen in prevascular regions.

No abnormal FDG-avid, axillary lymph node is detected. Mild dilatation of lower third of thoracic esophagus is observed with normal FDG uptake.

Referring Physician: Dr. Khosravi

Abdomen & Pelvis:

Liver and Spleen: Normal activity is present in the liver. **The spleen is very enlarged with homogeneous FDG activity (MTD: 230mm). Non-FDG-avid subcentimetric left subphrenic lymph nodes are observed.**

Gastrointestinal\ Peritoneal\ Retroperitoneal regions: Physiologic uptake is seen in the gastrointestinal system. A few non-FDG-avid 4-5mm lymph nodes are seen in aortocaval and paraaortic regions. **Significant dilatation of vessels in upper abdominal area is observed showing normal FDG activity.**

Genitourinary system: Physiologically excretion is observed into the urinary system.

Other abdominal viscera: Adrenal glands, pancreas and other viscera show normal appearance without abnormal uptake.

Pelvis: No abnormal uptake is seen in the soft tissue structures and bone. Bilateral inguinal lymph nodes without FDG uptake are visualized showing normal configuration.

Musculoskeletal system:

No abnormal uptake is seen throughout the musculoskeletal system.

Impression:

- **No evidence of metabolically active malignant lesion is noted throughout the body.**
- **Huge splenomegaly ,with normal metabolic activity .**

Yours Sincerely,
M. Alavi, MD



A handwritten signature in black ink, which has been partially obscured by a blue rectangular redaction box.

S. Mortazavi, MD

۱۴.۲/۸/۲۸

As your request, Doppler sonography of portal system was performed and findings are as following:

- *Liver is normal in span (122.62 mm), but echogenicity of the parenchyma is inhomogeneously increased suggesting of patchy fatty liver.*

Reference values	Grade I(S1)	Grade II(S2)	Grade III(S3)
B-Mode Ratio cut-off value	1.49	1.86	2.2



- *B-mode ratio (Hepatorenal ratio) = 1.87: Early phase of S2 → confirms Moderate liver steatosis*
- *Contours are regular.*
- *No obvious space occupying lesion (S.O.L) is seen.*
- *There is no obvious evidence of intra- or extra- hepatic biliary ectasia.*
- *CBD diameter is within normal range.*
- *Hepatic vein system is normal in diameter and gray-scale characteristics.*
- *Gall bladder has normal size and wall thickness.*
 - *In dependent portion of mid-body there are two adjacent echogenic structures with diameters of about 4.34 mm and 3.29 mm, suggesting of non-calcified GB stones.*
 - *Sonographic Murphy sign is negative.*
- *Spleen has span of about 194.65 mm, which is obviously greater than normal. No obvious S.O.L is detected in it.*
- *Main portal vein diameter: 7.62 mm (normal).*
 - *In “color doppler survey” of the main portal vein, no obvious flow is detectable, but in “Angioplus color survey”, small flow could be visible within lumen of portal vein suggesting of partial obstruction of main portal vein.*
 - *Collateral vessels are also visible in liver hilum.*
 - *PSV in main portal vein: 15.92 cm/sec*
- *Splenic vein, inferior mesenteric vein and superior mesenteric vein seem to be intact without obvious thrombosis ; thrombosis involved mainly main portal vein at the site of liver hilum.*

- **Liver, gallbladder and spleen are mentioned in the color doppler report.**

- **Pancreas and para-aorta are normal.**
- **Both adrenal regions are unremarkable.**
- **Right kidney is visible in normal anatomic position with normal size (104.15 x 36 mm), shape and regular contours.**
 - ✓ **Parenchymal echogenicity and thickness (in anterior aspect of mid-portion = 12.89 mm) are normal.**
 - ✓ **Corticomedullary differentiation is normal.**
 - ✓ **Echogenicity of the central sinus is normal.**
 - ✓ **Pelvicalyceal system is normal.**
 - ✓ **There is no evidence of obvious renal stone or hydronephrosis.**
 - **Dedicated color evaluation by "color twinkle mode" reveals no focus of "positive color twinkle sign" indicative of no obvious detectable renal stone.**
- **Left kidney is visible in normal anatomic position with normal size (115.44 x 44 mm), shape and regular contours.**
 - ✓ **Parenchymal echogenicity and thickness (in anterior aspect of mid-portion = 18.69 mm) are normal.**
 - ✓ **Corticomedullary differentiation is normal.**
 - ✓ **Echogenicity of the central sinus is normal.**
 - ✓ **Pelvicalyceal system is normal.**
 - ✓ **There is no evidence of obvious renal stone or hydronephrosis.**
 - **Dedicated color evaluation by "color twinkle mode" reveals no focus of "positive color twinkle sign" indicative of no obvious detectable renal stone.**
- **Proximal of both ureters seem to be normal and are not dilated.**
- **Urinary bladder is normal in shape and wall thickness. UVJs are normal.**
 - ✓ **No obvious intravesical focal mucosal lesion or stone is seen.**
- **Uterus has dimensions of about 78 x 45.93 mm with normal axis.**
- **There is an intramural / submucosal uterine myoma in anterior aspect of mid-body measuring about 27 x 22.23 mm.**
- **Endometrium has thickness of about 5.6 mm → consistent with post-menopausal condition.**
- **In "ShearWave elastographic evaluation" of cervix, no increased stiffness is detected.**

➤ **Hepatic artery:**

• **PSV:** 79.52 cm/sec; **RI:** 0.82; **PI:** 1.7; **S/D:** 5.7

➤ **Splenic artery:**

• **PSV:** 130.36 cm/sec; **RI:** 0.76; **PI:** 1.45; **S/D:** 4.1

• **Congestive index** → According to thrombosis of main portal vein, measurement is impossible.

• **Liver vascular index** → According to thrombosis of main portal vein, measurement is impossible.

IMPRESSION	RECOMMENDATION
<ul style="list-style-type: none">- Suggestion of patchy fatty liver<ul style="list-style-type: none">• Hepatorenal ratio=1.87: Early phase of S2 (Moderate liver steatosis)- Suggestion of non-calcified GB stones or inspissated sludge without evidence of cholecystitis- Suggestion of partial thrombosis (recanalization?) of main portal vein + mild collateral vessels (cavernous transformation)- Suggestion of marked splenomegaly- Suggestion of compensated portal hypertension	

- *No obvious cystic or solid adnexal lesion is seen.*
- *RT ovarian size = 26.61 x 20.14 mm*
- *LT ovarian size = 31.18 x 19.7 mm*
 - ✓ *No obvious prominent follicle is detected in the ovaries.*
- *No free fluid is visible in the abdominopelvic cavity.*

IMPRESSION

- *Suggestion of uterine myoma*
- *Unremarkable post-menopausal condition*

RECOMMENDATION

	1402/2/25	1402/3/16	1402/5/7	1402/7/5	1402/8/20
WBC		4.4		4.3	
RBC		4.5		4.3	
Hb		12		13	
MCV		84		90	
MCH		27		30	
Plt		126000		116000	
AST	27	32	34	47	39
ALT	25	30	41	54	45
Alp		152	164		
Bili-t Bili-d	1.5	2.1	3.9	3.4	3.7
INR					1.2

- Next step?

