

THE LEADER IN MOLECULAR DIAGNOSIS IN CAMBODIA

Biomed ID	240313169
BiomedNK ID	P 315

Patient's name YIM CHI

Age 72 Year Sex F

Provenance Dr. CHHAY KIMPAV

Type of Sample Blood (Serum)

Test request **Quantitative PCR for HBV-DNA**

Date of receiving the sample 03/13/2024

Date of carrying out the test 03/13/2024

Investigator Brachnha, Tang Van Hoa

Equipment to do the realtime PCR The CFX96 from Biorad (USA)

Method to do the real-time PCR

- Taqman probe labeled with FAM to detect HBV-DNA. Taqman probe labeled with Hex to detect the internal control DNA that is extracted with the sample.
- The quantitation of HBV-DNA is carried out based on the 3 standards: S1: 1000, S2: 10.000, and S3: 100.000 IU (International per Unit) that are real-time detected with the sample's DNA

Cycle sequencing reaction Big-Dye 3.1 (USA)

Sequencer ABI 3130 (USA)

Analysis software SeqScape v. 2.5 (USA)

Limit of detection 200 copies/ml or 50 IU/ml

REPORT

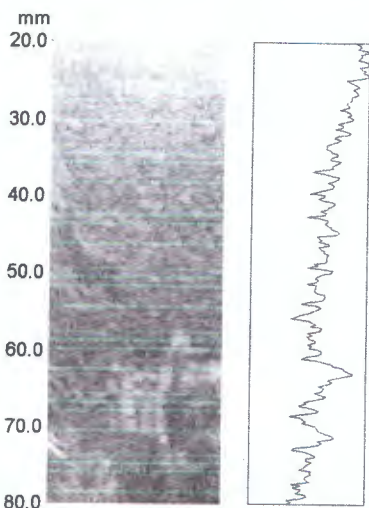
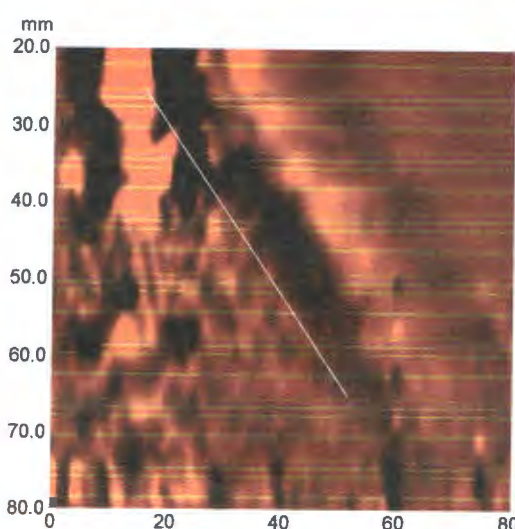
The viral load (copies/ml) = Under the detected limit**The viral load (log₁₀) = Under the detected limit****The viral load (IU/ml) = Under the detected limit** ✓**The genotype**Comments**The HBV in patient serum is under the detected limit**

Patient needs to show this report to the physician to receive the appropriate comment for situation of infection

Phnom Penh City, 13 Mar 2024

Technical of the laboratory and analysis


Dr. HENG NAY YIM

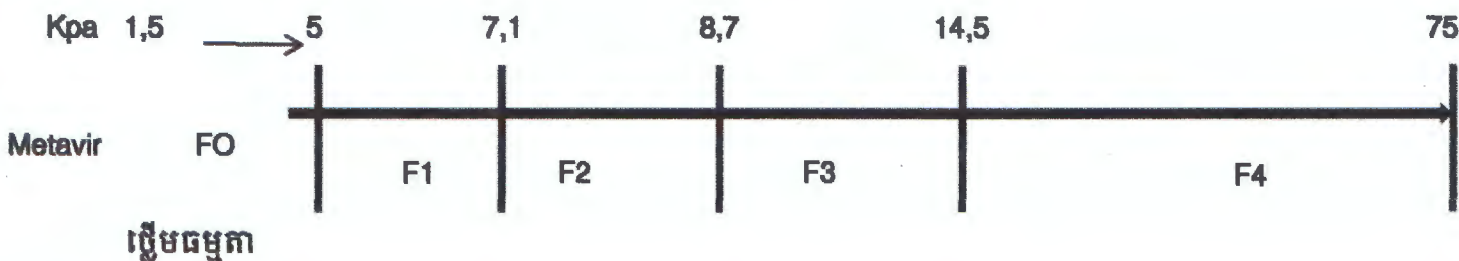
Lastname YIM			
Firstname CHI			
Code 17857			
Birthdate 01/01/1952			
Operator CKP HBV			
Date 13/03/24 09:18			
Examination time 00:01:50	Examination M		
Stiffness (KPa) 3.7		(01) E = 3.7 KPA (02) E = 3.8 KPA (03) E = 3.4 KPA (04) E = 3.6 KPA (05) E = 3.3 KPA (06) E = 3.4 KPA (07) E = 3.5 KPA (08) E = 3.2 KPA (09) E = 4.3 KPA (10) E = 4.1 KPA (11) E = 4.6 KPA (12) E = 4.4 KPA (13) E = 3.8 KPA	
IQR (KPa) 0.7	CS (KPa) 3.7	 វេជ្ជបណ្ឌិត.គង គឹមច័ន	
Success rate 87%			
		Test # 1 Valid 13 Invalid 2	

Fibroscan® is a medical device to be used as a diagnostic aid. Measurements should be performed by a certified operator. Results should be interpreted by a liver specialist doctor according to the clinical context and taking into account the number of valid measurements, their dispersion (IQR) and the success rate.

Printed on the 13/03/24 at 09:30:20

លទ្ធផល:

លេខដែលបង្ហាញជាគីឡូប៉ាស្កាល់ (Kilopascal = KPA) ខាងលើ វាសមាមាត្រទៅនឹងលទ្ធផលដែលបានពីការប្រើប្រាស់សាច់រង្វើម (la ponction biopsie hépatique) ដោយគិតទៅតាម Score de Métavir ។





Nom et Prénom : YIM CHI

Sexe : F

Age : 72 ANS

Date : 13/03/2024

Motif de l'examen : HBV

COMTE-RENDUE ECHOGRAPHIQUE

RESULTAT

- **FOIE:** de taille normale mesurant 122 mm en flèche hépatique droite, structure légèrement hyperéchogène homogène et de contours réguliers. Absence de lésion focale visible.
- Tronc porte de calibre normal de 9 mm, perméable.
- **VESICULE BILIAIRE:** normo tendue, paroi fine, alithiasique.
- **VOIE BILIAIRE:** non dilatée.
- **PANCREAS:** de taille normale, de structure homogène, le canal de Wirsung non dilaté.
- **REINS:** de taille normale, bonne différenciation cortico-médullaire. Absence de calcul ni de stase urinaire.
- **RATE:** de taille normale, d'échostructure homogène
- **VESSIE:** en faible réplétion, paroi mince régulier, contenu clair.
- **UTÉRUS et Les ANNEXES :** non vu.
- **Cul-de-sac de Douglas libre.**

CONCLUSION: Stéatose hépatique minime.

Dr. MEAS KAKADA

Radiologue



គ្លីនិក ថ្លើម ក្រពះ ពោះវៀន តាម គីមប៉ាវ

CHHAY KIMPAV HEPATO-GASTRO-ENTEROLOGY CLINIC

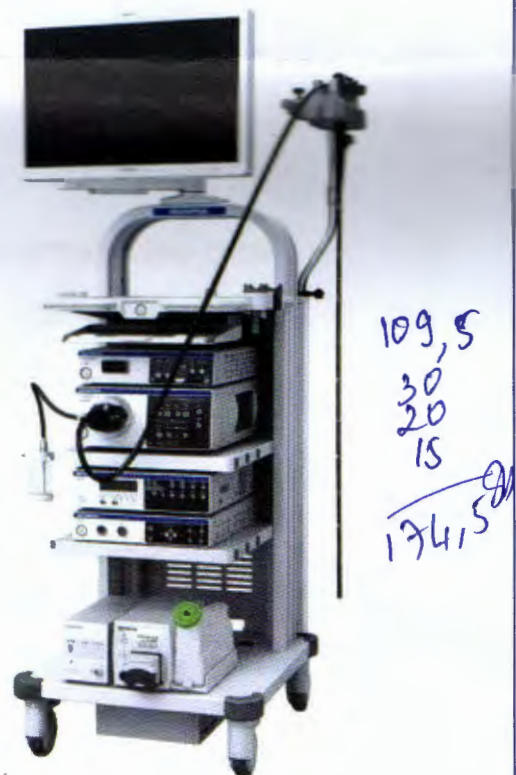


វេជ្ជបណ្ឌិត តាម គីមប៉ាវ

ឯកទេស : ថ្លើម ក្រពះ ពោះវៀន និង ឬសដូងបាត
សញ្ញាបត្រមកពីប្រទេសបារាំង (បារីស និង លីយ៉ុង)
អតីតនាយផ្នែក ជំងឺប្រព័ន្ធនាយអាហារ
នៅមន្ទីរពេទ្យ មិត្តភាព ខ្មែរ-សូវៀត

ពិនិត្យ និងព្យាបាល

- ជម្ងឺថ្លើមគ្រប់ប្រភេទ
- ជម្ងឺ ក្រពះ ពោះវៀន ឬសដូងបាត
- ឆ្លុះក្រពះ ពោះវៀនធម្មតា និងដាក់ថ្នាំសណ្ត
ដោយឧបករណ៍ឆ្លុះទំនើបចុងក្រោយ (NBI)
- ម៉ាស៊ីនរកមេរោគក្រពះដោយផ្ទៀងផ្ទាត់នូវវិទ្យុសកម្ម
- ម៉ាស៊ីនវាស់កំរិតក្រិនរបស់ថ្លើម Fibroscan
- ឆ្លុះអេកូ (Echo)
- ព្យាបាលជម្ងឺរលាកថ្លើមប្រភេទ B និង C ដោយថ្នាំគ្រាប់
- ចាក់ថ្នាំការពារជម្ងឺរលាកថ្លើមប្រភេទ A និង B



109,5
30
20
15
174,5

ម៉ាស៊ីនឆ្លុះក្រពះ ពោះវៀន

មកពិនិត្យម្តងទៀតដោយយកវេជ្ជបញ្ជានេះមកផង

នាម និងគោត្តនាម Yim Chi អាយុ 72 ឆ្នាំ ភេទ F
ទម្ងន់ 60,7 កម្ពស់ 1,6 សម្ពាធឈាម 11/6 ជីបចរ 6.7 កំដៅ 36,5
រោគវិនិច្ឆ័យ.....

វេជ្ជបញ្ជា

- Hg. creatinine
- Transa. bils. blet, ptt
- AgHBs. Anti HBs. AFP
- AgHBs quantitat. + (វិភាគទុរ)
- PCR HBV quantitat. +
- cholesterol. urea H2O creat.
- Triglyceride, uric acid. Glycerol
- HbA1c

ភ្នំពេញ ថ្ងៃទី 13 ខែ 03 ឆ្នាំ 2014

វេជ្ជបណ្ឌិត

ថ្ងៃទី.....ខែ.....ឆ្នាំ ២០២.....
មកពិនិត្យលើកក្រោយ

វេជ្ជបណ្ឌិត តាម គីមប៉ាវ

ផ្ទះលេខ 8A-9A ផ្លូវ 230 ភូមិ 4 សង្កាត់បឹងសាឡាង ខណ្ឌទួលគោក ភ្នំពេញ (មុំផ្សារសំណង់១២)
Tel: 012 913 682 / 015 32 72 72 / 067 555 888

**L
M
B**

BIOMED PHNOM PENH

BIOMED PHNOM PENH

MEDICAL ANALYSIS LABORATORY

No 359Eo, Kampuchea Krom, Blvd, Sangkat Phsar Depot III

Tel: 078609609, 012291482, 016291482; Fax: .

E-mail: info@biomedphnompenh.com



PHNOM-PENH, : 13-Mar-2024

Speciment No.: 240313169

Collection : External

NAME : YIM CHI AGE : 72 SEX : Female
COME FROM : Dr. CHHAY KIMPAV #56BN, Rue 230, Sangkat Beung Salang, Khan Tuol Kork, Phnom Penh, Tel: 012 913 682

HEMATOLOGY

CELL BLOOD COUNT

White blood cell	: 7.7	10 ³ /uL	(Ref: 4.0-10)
Red blood cell	: 4.2	10 ⁶ /uL	(Ref: 3.8-5.3)
Haemoglobin	: 11.6 ✓	g/dL	(Ref: 12-16)
Hematocrit	: 36.5	%	(Ref: 38-47)
M.C.V	: 87.3	fL	(Ref: 80-95)
M.C.H	: 27.8	pg	(Ref: 27-32)
M.C.H.C	: 31.8	g/dL	(Ref: 32-36)
Platelet count	: 231	10 ³ /uL	(Ref: 150-400)

DIFFERENTIAL COUNT

Neutrophils	: 44.7	%	(Ref: 40-74)
Eosinophils	: 28.1	%	(Ref: 0.0-7.0)
Basophils	: 0.5	%	(Ref: 0.0-1.5)
Lymphocytes	: 19.9	%	(Ref: 20-50)
Monocytes	: 6.8	%	(Ref: 0.0-11)

BIOMED PHNOM PENH

MEDICAL ANALYSIS LABORATORY

No 359Eo, Kampuchea Krom, Blvd, Sangkat Phsar Depot III

Tel: 078609609, 012291482, 016291482; Fax.:

E-mail: info@biomedphnompenh.com



PHNOM-PENH, : 13-Mar-2024

Speciment No.: 240313169

Collection : External

NAME : YIM CHI AGE : 72 SEX : Female
COME FROM : Dr. CHHAY KIMPAV #56BN, Rue 230, Sangkat Beung Salang, Khan Tuol
Kork, Phnom Penh, Tel: 012 913 682

BIOCHEMISTRY

Total Bilirubin	: 0.51	mg/dL	(Ref: 0 - 1.2)
	(15-02-2020 : 0.61)		
Direct Bilirubin	: 0.19	mg/dL	(Ref: < 0.30)
	(15-02-2020 : 0.15)		
Indirect Bilirubin	: 0.32	mg/dL	(Ref: 0 - 0.9)
	(15-02-2020 : 0.46)		
Glucose	: 122	mg/dL	(Ref: 74-109)
	(15-02-2020 : 115)		
Total Cholesterol	: 160	mg/dL	(Ref: < 200)
	(15-02-2020 : 152)		
HDL-Cholesterol	: 44	mg/dL	(Ref: 45 - 65)
	(15-02-2020 : 40)		
LDL-Cholesterol	: 98	mg/dL	(Ref: < 100)
	(15-02-2020 : 98)		
Triglyceride	: 157	mg/dL	(Ref: < 200)
	(15-02-2020 : 143)		
Uric Acid	: 5.9	mg/dL	(Ref: 2.4-5.7)
	(15-02-2020 : 6.3)		
Creatinine	: 0.68	mg/dL	(Ref: 0.51-0.95)
	(15-02-2020 : 0.7)		

L
M
B

BIOMED PHNOM PENH

BIOMED PHNOM PENH

MEDICAL ANALYSIS LABORATORY

No 359Eo, Kampuchea Krom, Blvd, Sangkat Phsar Depot III

Tel: 078609609, 012291482, 016291482; Fax: .

E-mail: info@biomedphnompenh.com



PHNOM-PENH, : 13-Mar-2024

Speciment No.: 240313169

Collection : External

NAME : YIM CHI AGE : 72 SEX : Female
COME FROM : Dr. CHHAY KIMPAV #56BN, Rue 230, Sangkat Beung Salang, Khan Tuol
Kork, Phnom Penh, Tel: 012 913 682

BIOCHEMISTRY

Glycosylated Haemoglobin (Roche)

Hb A1c % (DCCT/NGSP) : 6.9 ✓ % (Ref: 4.0 - 6.0)
(15-02-2020 : 6.8)

Hb A1c (acc to IFCC) : 51.8 mmol/mol (Ref: 29 - 42)
(15-02-2020 : 50.8)

(Technique immuno-enzymologique)

Glycemic Control Status HbA1c (%)

Non Diabetic (Ideal)	4.0 - 6.0
Optimal	6.1 - 7.0
Suboptimal	7.1 - 8.0
Unacceptable	8.1 - 14.0

EXAMINER

Dr. HENG NAY YIM

**M
B**

**BIOMED PHNOM PENH
MEDICAL ANALYSIS LABORATORY**

No 359Eo, Kampuchea Krom, Blvd, Sangkat Phsar Depot III
Tel: 078609609, 012291482, 016291482; Fax.:
E-mail: info@biomedphnompenh.com



PHNOM-PENH, : 13-Mar-2024
Speciment No.: 240313169
Collection : External

NAME : YIM CHI AGE : 72 SEX : Female
COME FROM : Dr. CHHAY KIMPAV #56BN, Rue 230, Sangkat Beung Salang, Khan Tuol
Kork, Phnom Penh, Tel: 012 913 682

ENZYMOLOGY

AST(Aspartate Aminotrans.)	: 20	U/L	(Ref: 0 - 32)
(15-02-2020 : 27)			
ALT(Alanine Aminotrans..)	: 14	U/L	(Ref: 0 - 33)
(15-02-2020 : 16)			
GGT(Gamma Glutamyl Transferase)	: 18	U/L	(Ref: 6 - 42)
(15-02-2020 : 18)			
ALP IFCC(Alkaline Phosphatase)	: 68	U/L	(Ref: 35 -104)
(15-02-2020 : 66)			

Reference Range

Children(0-14days)...: 83-248 U/L
Children(15d- <1y)...: 122-469 U/L
Children(1- <10y)...: 142-335 U/L
Children(10- <13y)...: 129-417 U/L
Children(13- <15y)...: 116-466 U/L
Adults (females)...: 35-104 U/L
Adults (males)....: 40-129 U/L

SEROLOGY

SEROLOGY OF HEPATITIS B (Cobas e601)

HBs Antigen Quantitative : NEG <0.05 UI/ML (NR: < 0.05)

SEROLOGY OF HEPATITIS B (Cobas e601)

Anti-HBe Antibody : Reactive 0.26 COI (NR: > 1.0)

SEROLOGY OF HEPATITIS B (Cobas e601)

HBe Antigen : Non Reactive 0.10 COI (NR: < 1.0)

EXAMINER

Dr. HENG NAY YIN

L
M
B

BIOMED PHNOM PENH

BIOMED PHNOM PENH

MEDICAL ANALYSIS LABORATORY

No 359Eo, Kampuchea Krom, Blvd, Sangkat Phsar Depot III

Tel: 078609609, 012291482, 016291482; Fax.:

E-mail: info@biomedphnompenh.com



PHNOM-PENH, : 13-Mar-2024

Speciment No.: 240313169

Collection : External

NAME : YIM CHI AGE : 72 SEX : Female
COME FROM : Dr. CHHAY KIMPAV #56BN, Rue 230, Sangkat Beung Salang, Khan Tuol
Kork, Phnom Penh, Tel: 012 913 682

TUMOR MARKERS

IMMUNO-ENZYMOMETRY (Cobas e601)

Alpha Foetoprotein : 1.25 ng/ml (Ref: 00-13.6)
(15-02-2020 : 1.36)

REFERENCE RANGE :

Men/Women.....: 00 - 13.6 ng/mL
Weeks of pregnan 14-18...: 27.9 - 54.8 ng/mL

EXAMINER


Dr. HENG NAY YIM