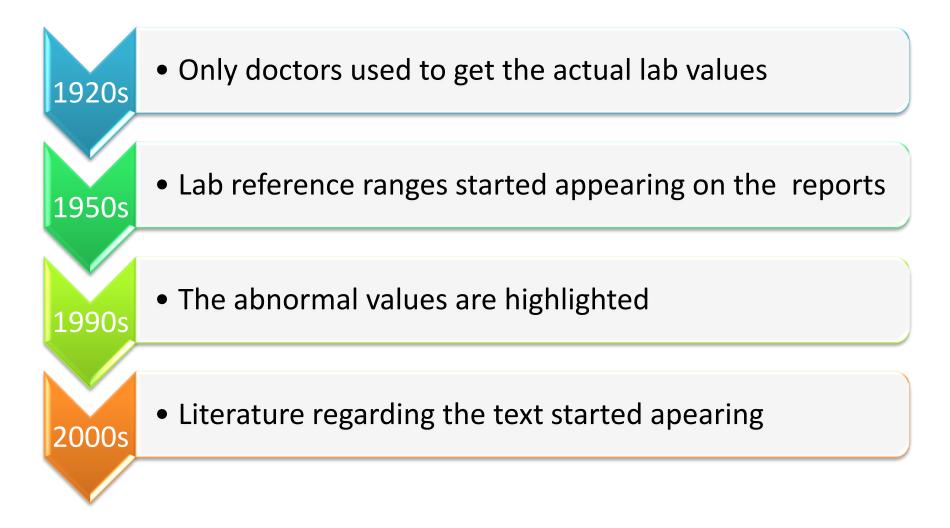
Interactive lab reports- Concept sheet and

future

Dr AVS Suresh MD DM PDCR ECMO Chief Scientific Officer & Project Head



The evolution of lab reports



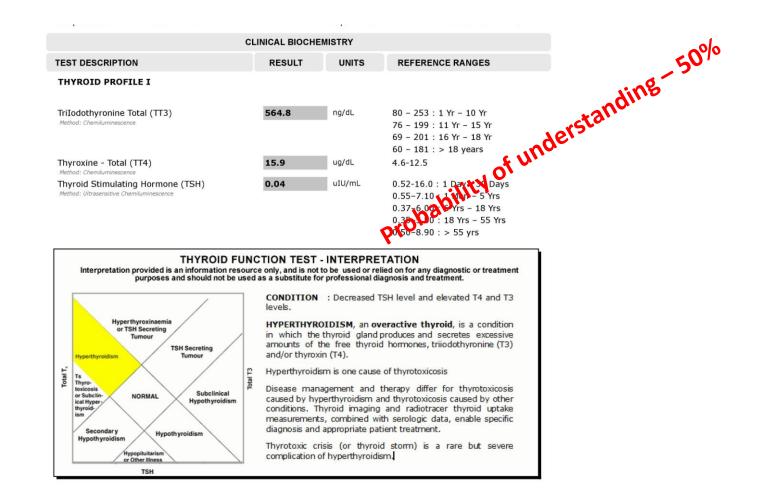
Lab results what we Know

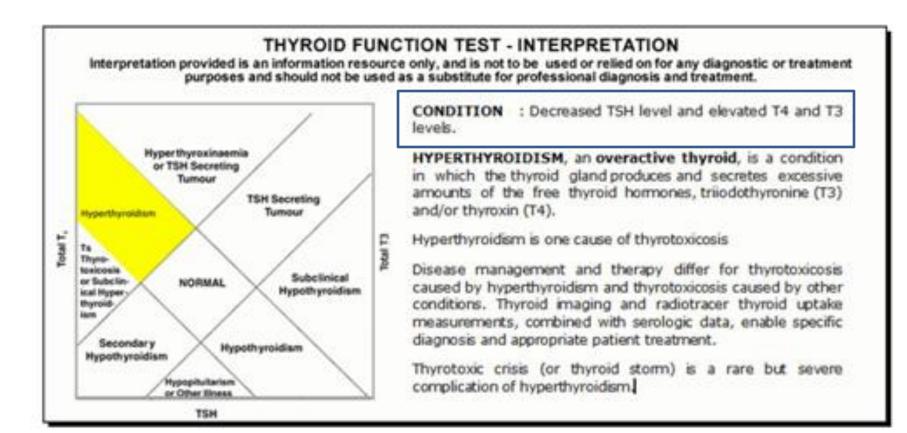
- Blood tests remain alpha numerical unless accompanied by interpretation and logical analysis.
- It is not that easy to interpret laboratory results without domain knowledge.
- The analysis of results shall explain about current health, risks for disease, and potential appropriate therapy and response to it

Regular Report

Patient Name	· MR TESTING		Patient ID		
Age / Sex	: 32 Year(s) / Male		Collection Cen	tre	1 3 5 9 8 4 6 9 7 2 1 8 1 3 : MPL-AS-TESTING
Ref. Doctor	: SELF		Sample Drawr	n Date	: 2016-03-10 00:00
Ref. Customer	: SELF		Registration D	ate	: 2016-03-10 11:36
Sample & SID	: SERUM - 212321		Report Date		: 2016-03-10 11:40
	c	LINICAL BIOCHE	MISTRY		2000
TEST DESCRIPT	ION	RESULT	UNITS	REFERE	
THYROID PRO	FILE I				lerstanding
TriIodothyronine Method: Chemilumines	. ,	564.8	ng/dL	65 - 201	 1 Yr - 10 Yr 11 Yr - 15 Yr 16 Yr - 18 Yr > 18 years
Thyroxine - Tota Method: Chemilumines		15.9	ug/dL	4.6-12.5	
Thyroid Stimula Method: Ultrasensitive	ting Hormone (TSH) Chemiluminescence	0.04	uIU/mL	0.55-7.10 0.37-6.00 0.35-5.50) : 1 Day - 30 Days) : 1 Mon – 5 Yrs) : 6 Yrs – 18 Yrs) : 18 Yrs – 55 Yrs) : > 55 yrs

Improvised Report









Note : Registered MED ID will keep a tra	ck to your clinica	l stats.							
Risk Level	2015/11/29	2015/11	/30 201	5/12/02					olo
	Visit 1	Visit 2	Visit 3	Visit 4	Visit 5	Visit 6	Visit 7	Visit 8	10%
1 VERY LOW OR	0.2							Aine	5
2 NORMAL BUT LOW OR				2.0			.	tanci	
3 OPTIMAL OVARIAN RES						c	Inder		
4 HIGH OVARIAN RESERVE		8.	7			ity of			
5 VERY HIGH OR (PCOS)					ababi			standing	
NORMAL PLET LOW OVARIAN RECERV	Æ			01	10-				

NORMAL BUT LOW OVARIAN RESERVE

=> Low AMH levels (alone) do not predict low IVF success rates in women under 35.

=> Couples should not be excluded from attempting IVF due to low AMH values alone because live birth success rates were reasonable in these cases.

=> In a male infant, absence or low levels of AMH may indicate a problem with the AMH gene located on chromosome 19 that directs AMH production and may be seen with absent or dysfunctional testicles. Lack of male hormones may result in ambi

METHOD: AMH is measured using dual monoclonal antibodies in a CLIA with an Analytical sensitivity of 0.01 ng/mL. Female : Insert the given value to compare with some age group Normal Female

NOTE: The above Given Risk Level Interpretation is not age specific and is an information resource only and is not to be used or relied on for any diagnostic or treatment purposes and should not be used as a substitute for professional diagnosis and treatment. Kindly Correlate clinically.



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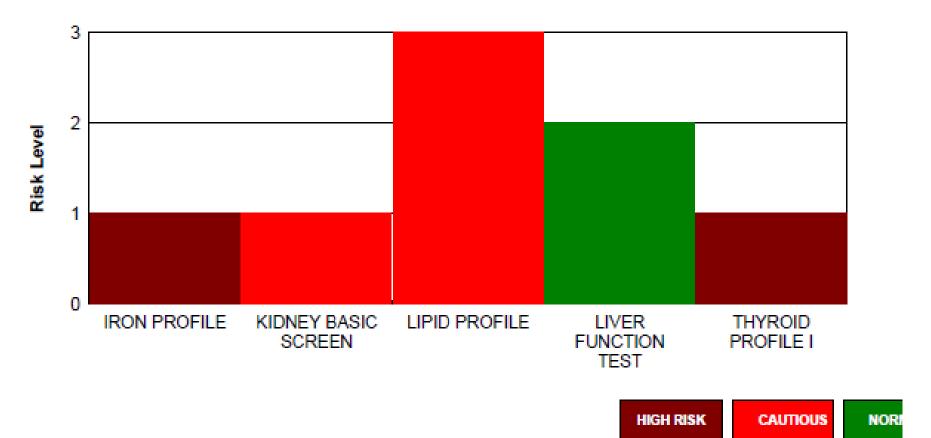
2/17/2020

Age: 32 Gender: 1 - Results Date: 03/10/2016 11:36:01AM BHARAT KUMAR

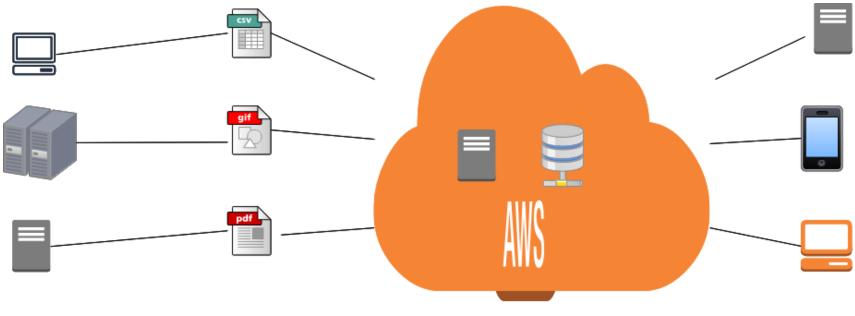
ESTNAME	VALUE	TEST UNITS	BIOLOGICAL REFERENCE RANGE
IRON PROFILE			
Iron	43	µg/dL	59 - 158
Iron Binding Capacity - Total (TIBC) *	431	µg/dL	240-450
Transferrin	293.2	ug/dL	176 - 280
Transferrin %	10.0	%	20-50
KIDNEY BASIC SCREEN			
Creatinine(Serum)	3.2	mg/dL	0.7 - 1.4
Urea (Serum)	132	mg/dL	10 - 50
Blood Urea Nitrogen (BUN)	26	mg/dL	7 - 18
Blood Urea Nitrogen (BUN)/Creatinine	8.1	Ratio	6 - 22
Sodium	137	mmol/L	135 - 145
Potassium	4.3	mmol/L	3.8 - 5.2
Chloride	101	mmol/L	94-108
Uric Acid*	4.2	mg/dL	3.5 - 7.2
LIPID PROFILE			
Cholesterol - Total	154	mg/dL	<200 : Desirable 200-239 : Borderline risk >240 : High risk
Cholesterol - HDL	42	mg/dL	< 40 : Low 40 - 60 : Optimal > 60 : Desirable
Cholesterol - LDL	92	mg/dL	< 100 : Normal 100 - 129 : Desirable 130 – 159 : Borderline-High 160 – 189 : High > 190 : Very High
Cholesterol VLDL	20	mg/dL	7-40
Triglycerides	102	mg/dL	< 150 :Normal 150–199 :Borderline-High 200–499 :High
Copyri	ght Cognitive o	are India labs LLP	> 500 :Very High
Total cholesterol/HDL ratio	3.7		0 - 5.0

2/17/2020

8



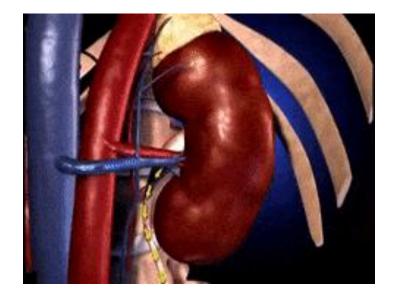
Any Report from any Mode analyzed through an AI to give the out put



OCR --> TextToSpeech + Video --> Report

http://54.183.140.28/



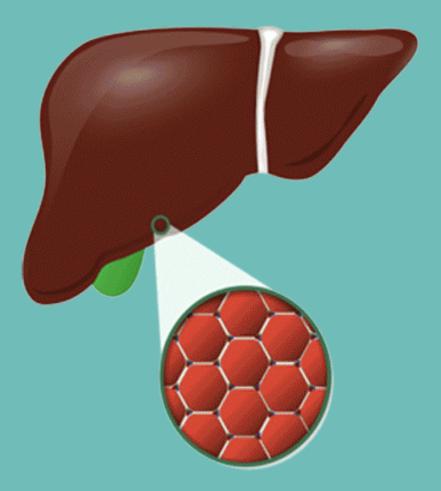




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2/17/2020

PROGRESSION OF NON-ALCOHOLIC FATTY LIVER DISEASE



Healthy Liver

2/17/2020

PICTURE CREDITS: HISTOINDEX PTE.LTD.

Are we secured and scalable?

- Global patent- secured
 https://patentscope.wipo.int/search/en/detail.jsf?docId=WO2019116380&tab=PCTBIBLIO
- Already in use by one of the largest B2B lab chains
- Test run showed when we used this to educate people the understanding of lab results
 - improved by 360% in illiterates
 - 245% in literates and
 - the willingness to seek medical attention is almost 138% more