LABORATORY RESULTS THE ADVENT OF 'MY CHART'

A BRIEF INTRODUCTION INTO THE PRACTICAL INTERPRETATION OF YOUR BLOOD STUDIES

FUNCTIONALITY OF MY CHART

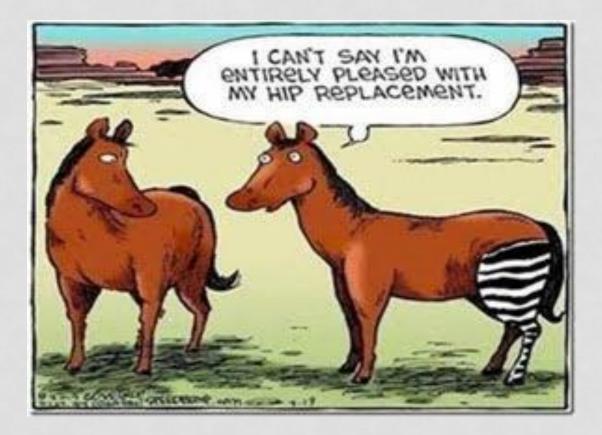
View most of your health information in one place.

- 1 Medication list and refills
- 2. Test results
- 3. Upcoming and previous appointments,
- 4. View and pay medical bills
- 5. Make appoints
- 6. Message your healthcare provider.
- 7. Your list of healthcare providers
- 8. Vaccination needed and warning messages
- 9. Ability with signed permission to share information with other healthcare providers

10 Visit summaries and instructions

IS TELEMEDICINE THE FUTURE?

1. Home monitoring
2. Treatment of minor problems
3. The Virtual World.



IN DEFENSE, AT LEAST IT WAS THE CORRECT LEG!

THE CBC

WBC	8.8 10*3/uL	3.8 - 10.8 10*3/uL
RBC	4.73 10*6/uL	4.20 - 5.80 10*6/uL
Hemoglobin	15.7 g/dL	13.2 - 17.1 g/dL
Hematocrit Blood	46.6 %	38.5 - 50.0 %
MCV	98.7 fL	80.0 - 100.0 fL
МСН	33.3 pg	27.0 - 33.0 pg
МСНС	33.8 g/dL	32.0 - 36.0 g/dL
RDW	13.2 %	11.0 - 15.0 %
Platelets	152 10*3/uL	140 - 400 10*3/uL
MPV	6.9 fL	7.5 - 11.5 fL

DIFFERENTIAL BLOOD COUNT

Neutrophils Relative	37.0 %	bacterial infections
Lymphocytes Relative	53.0 %	immune system, Ieukemia
Monocytes Relative	7.0 %	immune system, globulins, Multiple Myeloma
Eosinophils Relative	2.0 %	Allergic reactions, parasitic diseases
Basophils Relative	1.0 %	inflammation
Neutrophils Absolute	3.3 10*3/uL	1.5 - 7.8 10*3/uL
Lymphocytes Absolute	4.7 10*3/uL	0.8 - 3.9 10*3/uL
Monocytes Absolute	0.6 10*3/uL	0.2 - 0.9 10*3/uL
Eosinophils Absolute	0.2 10*3/uL	0.0 - 0.5 10*3/uL
Basophils Absolute	0.1 10*3/uL	0.0 - 0.2 10*3/uL

SERUM CHEMISTRIES

	Cholesterol	179 mg/dL	125 - 199 mg/dL
	Less than 200 mg 200-239 mg/dL E	~	
	LDL Calculated	100 mg/dL	0 - 100 mg/dL
LDL CHOLESTEROL INTERPRETATION: Less than 100 mg/dL Optimal 100-129 mg/dL Near optimal/above optimal 130-159 mg/dL Borderline High 160-189 mg/dL High Greater or Equal to 190 mg/dL Very High		ove optimal	
	HDL	63 mg/dL	40 - 180 mg/dL
	HDL CHOLESTEROL INTERPRETATION: Less than 40 mg/dL Low Greater than 60 mg/dL Desirable		
	Triglycerides	80 mg/dL	0 - 150 mg/dL
	<u>TOTAL TRIGLYCERIDE INTERPRETATION</u> : Less than 150 mg/dL Normal 150-199 mg/dL Borderline HIgh 200-499 mg/dL High Greater or Equal to 500 mg/dL Very High		

MORE SERUM CHEMISTRIES: ELECTROLYTES NORMAL BLOOD PH. IS 7.4: BELOW IS ACIDOSIS, ABOVE ALKALOSIS

MORE CHEMISTRIES

BUN	13 mg/dL	7 - 25 mg/dL Kidney function
Creatinine	1.07 mg/dL	0.50 - 1.30 mg/dL Kidney function
Glucose	89 mg/dL	65 - 99 mg/dL Insulin/diabetes
Calcium	10.0 mg/dL	8.4 - 10.5 mg/dL bones, parathyroid
Total Bilirubin	1.0 mg/dL	0.2 - 1.2 mg/dL Red blood cells, liver
AST(SGOT)	20 U/L	0 - 40 U/L Liver enzyme/damage
ALT (SGPT)	14 U/L	0 - 60 U/L Liver enzyme/damage
Alkaline Phosphatase	66 U/L	33 - 140 U/L Bones, gall bladder obstruction

MORE CHEMISTRIES

The normal reference range is not applicable for patients less than 20 years old.		
Total Protein	6.7 g/dL	6.4 - 8.3 g/dL
Albumin	4.4 g/dL	3.5 - 5.0 g/dL liver, nutrition
Globulin	2.3 g/dL	2.1 - 3.7 g/dL immune system
Albumin/Globulin Ratio	1.9	1.0 - 2.1
BUN/Creatinine Ratio	12	
GFR MDRD Af Amer	81 See Note Renal function	
GFR is estimated using Creatinine, age, gender and race. Patient's values should be interpreted as a trend. Between 30 and 90 ml/min/1.73m2, clinical correlation is needed. For additional information:		

OTHER COMMON TESTS

- Serum Amylase (23 to 85 units per liter (U/L). (Pancreas)
- Thyroxine T4 (4.5-11.7 mcg/DI) (Thyroid Gland)
- DXA Bone Density Levels (T score: 0=normal) (osteoporosis)
- Pap smear for Cervical cancer and HPV infection
- Stool Guaiac for Colon cancer and GI bleeding
- PSA for Prostate Cancer and Inflammation
- Screening Chest CT scan for detection of Lung Ca

COMMON TESTING PROCEDURES

- Cardiac Stress test-Treadmill or via Injection
- Echocardiogram—Heart Function; Ejection Fraction
- Spirometry—Pulmonary Function test
- Colonoscopy to detect Colon Ca or Diverticulosis (cologard?)
- Mammography
- Hgb A1c (4-5.6%) Elevated in poorly controlled diabetes
- MRI-Magnetic Resonance Imaging (Other scans include CT or computerize tomography and PET scans)

MORE TESTS

- ECG or EKG--Electrocardiogram
- CT Coronary calcium score/screening
- CRP/C-reactive protein (index of inflammation)
- RBC sedimentation rate (indicative of inflammation)
- Troponin—Heart damage enzyme
- Natriuretic Peptide (BNP)-Heart damage enzyme
- EMG-Electromyogram—Nerve conduction
- EEG-Electroencephalogram—brain waves
- Functional MRI-Investigative tool to map the brain

BACTERIOLOGY

• Specimen/Source: SWAB/NASAL PASSAGE Collected: 11/25/2014 10:05

Status: Final Last Updated: 11/28/2014 02:17

ISO1 (Final) No Staph aureus Isolated (no MRSA-metacillin resistant staphylococcus aureus

YOU ARE THE MAIN STEWARD OF YOU HEALTH

- All medical information can be researched on the WEB
- Understand that there are many treatment options and often standards for treatment of specific illnesses are works-in-progress and change
- Do not underestimate the value of a second opinion
- Be cost sensitivity and not reticent in asking questions about 'what's it going to cost doc'.
- Understand you healthcare coverage as best you can
- The vast preponderance of physicians are ethical, wellinformed and strong advocates for their patients; it is increasingly a tough occupation

IT MAY ALL SEEM CONFUSING BUT YOU CAN RESEARCH TEST RESULTS EASILY THROUGH THE INTERNET

- Medline
- WebMd
- Wikipedia