**Genesis Order Sets: Labs**

**Laboratory Testing (all are laboratory collect):**

**AA Common Labs:**

Alkaline phosphatase with isoenzymes

Allergen panel

BMP

BNP

Calcium

Ionized Calcium

CBC with diff

CBC without diff

CMP

Creatinine kinase

CRP

Cystatin C

ESR

Glucose, fasting

HbA1C

HCG, Blood, Qualitative

HCG, Urine, Qualitative

Helicobacter Pylori Stool Antigen

Hepatic Panel

Lipase

Lipid panel

Magnesium

Phosphate

Quantiferon TB

Renal Function Panel

TSH

Uric Acid

Urinalysis

Urine Culture

Urine Microalbumin/Creatinine

Urine Protein/Creatinine

**Abnormal LFT Labs:**

Actin IGG, Qualitative (Smooth Muscle Antibody)

Alpha-1 Antitrypsin

Celiac Antibody Panel

Ceruloplasmin

Chronic Hepatitis Panel

Hepatic Panel

Hereditary Hemochromatosis Panel

Iron panel

Liver Kidney Microsomal Antibody

**AKI Labs:**

BMP

Creatinine, Urine

Protein/Creatinine Urine

Sodium, Urine

Urea nitrogen, Urine

Urinalysis

**Anemia Labs:**

CBC with differential

Homocysteine

Iron Panel

Methylmalonic acid

SPEP

UPEP

Reticulocyte Count

TSH with FT4

Vitamin B12 and Folate

**Bariatric Labs:**

CBC no diff

HbA1C

Iron Panel

Lipid panel

Renal Function Panel

Vitamin B1 (Thiamine)

Vitamin B12 (Cobalamin) and Folate

Vitamin B6

25, OH Vitamin D

**Diabetes Labs:**

BMP

C-Peptide

Fructosamine

Glucose, Fasting

Glutamic Acid Decarboxylase Antibody

HbA1C

Hepatic function panel

Islet Cell Antibody

Lipid Panel

Urine Microalbumin/Creatinine

Urine Protein/Creatinine

TSH with reflex to FT4

**Endo – Adrenal Incidentaloma Labs:**

24 hour urine aldosterone

24 hour urine cortisol

24 hour urine metanephrines

Aldosterone serum

BMP

Dexamethasone suppression test

Metanephrines, fractionated, serum

Renin, plasma

**Endo – Gynecomastia Labs:**

BMP

DHEA

Estradiol

Hepatic panel

LH

FSH

Prolactin

Somatomedin C

Total and Free Testosterone

TSH and Free T4

**Endo- Hirsutism Labs:**

DHEA

LH

FSH

Sex hormone binding globulin

Total and free Testosterone

**Endo – HYPERcalcemia Labs:**

Calcium

Calcium, ionized

24 hour urine calcium

Hepatic panel

Phosphate

PTH

PTH related peptide

SPEP

UPEP

25 OH vitamin D

1,25 OH vitamin D

**Endo – Hyperthyroid Labs:**

HCG, serum, qualitative

T3

TSH

Free T4

Thyroid stimulating immunoglobulin (Graves)

Thyroperoxidase antibody

**Endo – HYPOcalcemia Labs:**

Calcium

Calcium, Ionized

Magnesium

Phosphate

PTH

25 OH Vitamin D

**Endo – Osteoporosis Labs:**

BMP

Calcium

CBC without diff

Hepatic Panel

Phosphate

PTH

Testosterone total and free

25 OH Vitamin D

**Endo – PCOS Labs:**

CBC with diff

CMP

DHEA

ESR

HCG Qualitative Serum

LH

FSH

Prolactin

Testosterone Total and Free

TSH with FT4

**Endo – Pituitary Adenoma Labs:**

ACTH Stim (if adenoma >1cm)

Alpha subunit of pituitary glycoprotein hormones

24 hour urine free cortisol

Dexamethasone suppression test

FSH

LH

Prolactin

Somatomedin C

Testosterone panel (if adenoma >1cm)

TSH with Free T4

**Hepatitis B Labs:**

Alpha Fetoprotein

Hepatic panel

Hepatitis B surface Ag

Hepatitis B surface Ab

Hepatitis B core Ab

Hepatitis B core IGM

Hepatitis B viral DNA

Hepatitis B E Ab

Hepatitis B E Ag

Hepatitis B Genotype

**Hypercoagulation Labs:**

Antithrombin III activity

APTT

Beta 2 Microglobulin

Cardiolipin IGA

Cardiolipin IGG

Factor V Leiden

Factor VIII Activity

Lupus Anticoagulant

Protein C activity

Protein S level

PT/INR

Thrombophilia F2 Mutation Analysis

**Hypertension Labs:**

Aldosterone

24 hour urine aldosterone

BMP

Cortisol AM

24 hour urine cortisol

Cortisol, Salivary

24 hour urine metanephrines

Metanephrines, fractionated plasma

Renin, plasma

Urine Microalbumin/Creatinine

Urine Protein/Creatinine

TSH with FT4

**Hyponatremia Labs:**

BMP

Osmolality, Serum

Osmolality, Urine

Sodium, Urine

**Memory Loss Labs:**

Calcium

CBC with diff

Heavy metals panel

Hepatic panel

HIV screen 4th generation

RPR

TSH with Free T4

Vitamin B12 with folate

**MGUS Follow-up Labs:**

Calcium

CBC with diff

Beta 2 microglobulin

BMP

Free Kappa and Lambda Light chains with ratio

SPEP

**Opioid Labs:**

Alcohol, blood

Alcohol, urine

Urine drug screen

Tramadol

**Pap Labs:**

Cytology GYN

HPV Reflex

**Peripheral Neuropathy Labs:**

BMP

CBC with diff

HbA1C

Heavy metals panel, urine

Hepatitis panel, chronic

HIV

Homocysteine

Lyme Ab

Methylmalonic acid, serum

Porphyrins, urine

SPEP

UPEP

Rheumatoid factor

SSA and SSB antibodies

TSH with Free T4

Vitamin B12 with folate

**Rheumatology Labs:**

Aldolase

ANA with reflex to IFA

C3

C4

Centromere Ab (Limited SSc)

Creatine Kinase

CRP

Citric Citrullinated Peptide Ab

DSDNA Ab

ESR

HLA B27

Myositis antibody panel

Rheumatoid factor

RNA polymerase Ab (risk for scleroderma renal crisis)

RNP (mixed connective tissue disease)

SCL-70 Ab (Progressive SSc)

Smith Ab (SLE)

SSA and SSB (SLE and Sjogrens)

**STAT Labs:**

APTT

BNP

CBC without diff

BMP

Hepatic

Lipase

PT/INR

Troponin I

**STI Labs:**

Chlamydia and GC, urine

Chlamydia and GC , throat swab

Chlamydia and GC , rectal swab

Chronic hepatitis panel

HSV 1 and 2 IGM and IGG

HIV (4th generation)

RPR (or Treponema Pallidum EIA)

Trichomonas vaginalis RNA female

Trichomonas vaginalis RNA male

Ureaplasma culture

**Stool Labs:**

Calprotectin, stool

C diff PCR

Cyclospora and cystoisospora, stool, acid fast stain

Lactoferrin, stool

Occult Blood, stool

Ova and Parasites, stool

Stool Culture (Campylobacter, Salmonella, Shigella, Yersinia)

Vibrio culture, stool

**Titers:**

Hepatitis A virus IGG

Hepatitis B surface antigen

Hepatitis B surface antibody

Measles, mumps, and rubella antibodies

Polio virus antibodies

Tetanus antibody

Varicella antibody

Quantiferon TB