

# Database Management Plan

Rebecca Dunkin, Elizabeth Ashew & Hone, BMC MEDICAL EDUCATION

### Description

### 1) FEVER PROFILE (ACUTE)

WBC, TC/DC, ESR, MP, VIDAL, URINE ROUTINE, URINE C&S, MANTOUX TEST.

## 2) FEVER PROFILE (CHRONIC)

WBC, TC/DC, ESR, MP, WIDAL, URINE ROUTINE TEST, URINE C&S, MANTOUX TEST, Anti TBIgm, ASO, RA, CRP, SGPT, BRUCELLA Ab, BLOOD C&S, ANA.

### 3) LIPID PROFILES (FASTING)

TOTAL CHOLESTEROL, HDL CHOL, LDL CHOL, VLDL CHOL, TRIGLYCERIDES, TC/HDL RATIO, LDL/HDL RATIO.

#### 4) LIPID PROFILE (EXTENDED PROFILE).

LIPID PROFILES, CARDIAC RISK MARKERS (Apolipoprotein A1, Lipoprotein B, High Sensitive CRP, Lipoprotein (a), A1/B Ratio).

## 5) LIVER FUNCTION TEST (LFT).

SERUM BILIRUBIN: TOTAL/DIRECT/INDIRECT.

SGOT (AST), SGPT (ALT), ALKALINE PHOSPHATASE, GGT, SERUM ALBUMIN, TOTAL PROTEIN, ALBUMIN/GLOBULIN RATIO.

## 6) EXTENDED LIVER FUNCTION TEST.

LIVER PROFILE, SERUM AMYLASE, HEPATITIS B SURFACE ANTIGEN (HBsAg), Anti Hepatitis C Antibody (HCV), Alpha-1-Antitrypsin, Lipase..

## 7) RENAL PROFILE

SERUM CALCIUM, URIC ACID, BUN, SERUM CREATININE, BUN/CREATININE RATIO.

## 8) IRON DEFICIENCY PROFILE

SERUM IRON, TOTAL IRON BINDING CAPACITY (TIBC), %TRANSFERRIN SATURATION.

## 9) ANAEMIA PROFILE (FOR PREGNANTS)

IRON DEFICIENCY PROFILE, COMPLETE HAEMOGRAM, BLOOD SMEAR STUDY, MOTION ROUTINE ANALYSIS, VITAMIN B-12, FOLIC ACID.

## 10) THYROID FUNCTION TEST

T3, T4, TSH.

### 11) FERTILITY PROFILE (FOR MALES)

TSH, LH, FSH, TESTOSTERONE, Anti Sperm Ab.

## 12) FERTILITY PROFILE (FOR FEMALES)

TFT (T3, T4, TSH), FSH, LH, SERUM PROLACTIN, ESTRADIOL, PROGESTERONE, AntiSperm Ab.

13) TORCH-10 (BEST FOR WOMEN SUFFERING FROM REPEATED ABORTION OR BIRTH DEFECTS OF NEW BORN OR STILL BIRTH)

CYTOMEGALOVIRUS (IgG, IgM),  
HSV-1 (IgG, IgM),

HSV-2 (IgG, IgM),  
RUBELLA VIRUS (IgG, IgM),  
TOXOPLASMA GONDII (IGg, IgM).

14) ANTINATAL PROFILE

Hb%, BLOOD GROUP, VDRL, BLOOD SUGAR, HBsAg, URINE ROUTINE ANALYSIS

15) GLUCOSE MEMORY TEST

GLYCOSYLATED HAEMOGLOBIN.

16) OSTEOPOROSIS PROFILE

SERUM CALCIUM, SERUM PHOSPHATE, TSH, ALKALINE PHOSPHATASE, SERUM BETA CROSS LAPS, OSTEOCALCIN.

17 URINOGRAM

18) HAEMOGRAM (CBC)

19) SERUM ELECTROLYTES

SODIUM, POTASSIUM, BICARBONATE, TOTAL CHLORIDE, Additional test (CALCIUM, PHOSPHOROUS, MAGNESIUM)

20) TUMOUR MARKERS (CANCER MARKERS)

AFP, PSA, Free PSA, CEA, HCG, CA125, BETA2MICROGLOBULIN, CA 15-3, CA 19-9, S100, NSE, CYFRA.

21) URINE ROUTINE ANALYSIS, CULTURE & SENSITIVITY

22) BLOOD CULTURE & SENSITIVITY (ENTERIC & NONENTERIC)

23) 24 HOURS URINE STUDY (PROTEIN EXCRETION STUDY)

TOTAL VOLUME, PROTEIN, SPECIFIC GRAVITY.

24) 24 HOURS URINE STUDY (EXTENDED PROFILE)

TOTAL VOLUME, PROTEIN, S.G., 17-KETOSTEROIDS, VMA, 5HIAA, META NEPHRINES, CATECHOLAMINE, MICROALBUMINURIA, PROTEINS, PROTEIN/CREATININE RATIO.

25) SKIN SCRAPING TEST

FUNGAL INFECTION, C&S

26) MOTION ROUTINE TEST, C & S

27) SPUTUM ANALYSIS (AFB, GRAM STAIN, C&S).

28) VIRAL MARKERS

LFT, HBsAg, HBeAg, Anti HBe, Anti HBc IgM, Anti HBc-Total, Anti HBs, Anti HAV-IgM, Anti HCV, Anti HDV-IgM (Delta Virus), Anti HEV-IgM, Anti HIV 1&2 (3rd Gen), HIV1 P24.

29) GYNAECOLOGY PROFILE (BEST FOR EVALUATION OF PRIMARY & SECONDARY INFERTILITY OR AMENORRHOEA)

FSH, LH, PROLACTIN (PL), TSH

30) SERUM PROTEIN ELECTROPHORESIS.

alpha, beta, gamma PROTEIN ESTIMATION (Bence Jones Protein Test)

31) THYROID & INFERTILITY PROFILE

TFT, FSH, LH, PROG, E2 (ESTRADIOL)

32) MULTIDRUG RESISTANT TB

Antituberculosis-IgA, IgG, IgM

33) HIRSUTISM PROFILE

DHEAS, Free TESTOSTERONE, ANDROSTENEDIONE.

34) MULTIPLE MYELOMA

(Bence Jones Protein Test), CBC, serum beta2microglobulin, CRP, RENAL FUNCTION TEST, SERUM CALCIUM, Serum LDL level, serum electrophoresis is done to measure the level of abnormal immunoglobulin in blood.

35) IRON METABOLISM DISORDERS

IRON, FERRITIN, TRANSFERRITIN (Tf), TRANSFERRITIN SATURATION (Tfs), SOLUBLE TRANSFERRIN RECEPTOR (sTFR), heptoglobin, Vitamin B12, Folic Acid.

36) AUTOIMMUNE DISORDERS

ANA, ds ANA, AMA, ANCA, ASMA, FTA-ABS, EBV

37) BONE MINERAL DENSITY

Total Body BMD, Spine, Dual Femur, Fore Arm, Body.

38) COAGULATION DISORDERS (HEMOSTATIS)

PROTHROMBIN TIME (PT), PARTIAL THROMBOPLASTIN TIME (PTT), LUPUS ANTICOAGULANTS (LA1 & LA2), FIBRINOGEN, D Dimer, Protein C & Protein S.

39) CHRONIC KIDNEY DISEASE

SERUM CREATINE, BUN, K, P, PARATHYROID HORMONE, Hb%, CHOLESTEROL.

40) TEST FOR PROSTATE CANCER

PSA, DIGITAL RECTAL EXAMINATION.

41) TEST FOR TESTICULAR CANCER

AFP (alfa-fetoprotein), beta-HCG (betahuman chorionic Gonadotropin), LDH (Lactate dehydrogenase)

42) TEST FOR BREAST CANCER

MAMMOGRAPHY, BIOPSY.

43) TEST FOR CERVICAL CANCER

PAPSMEAR STUDY, COLPOSCOPY.

44) TEST FOR OVARIAN CANCER

CA125,

45) TEST FOR THYROID CANCER

THYROGLOBULIN, CALCITONIN.