APPENDIX 1 ultrasound Images

Image (1) 27 years old female with bilateral mild pleural effusion due to chronic renal failure

Image (2) 55 years old male with right moderate pleural effusion and left mild pleural effusion due to congestive heart failure
Image (3) 82 years old male with left mild pleural effusion due to acute renal failure

Image (4) 45 years old female with left mild pleural effusion and right moderate pleural effusion due to congestive heart failure
Image (5) 72 years old male with bilateral mild pleural effusion due to tuberculosis

Image (6) 24 years old male with right moderate pleural effusion due to stab wound
Image (7) 24 years old female with bilateral moderate pleural effusion due to pneumonia

Image (8) 43 years old male with bilateral mild pleural effusion due to congestive heart failure and tuberculosis
Image (9) 25 years old male with mild pleural effusion due to ca lung

Image(10) 74 years old male with moderate pleural effusion due to chronic renal failure
Appendix 2

Sudan University of Sciences and Technology

Evaluation Of Pleural Effusion in Omdurman Teaching Hospital using Ultrasound
Data Collection Sheet

Gender :- Female( ) Male( )

Age:..............Height:.............Weight:.............

Region :

Khartoum ( ) Omdurman ( ) Khartoum north( )

Occupation :...............................

Patient 's education :

Illiterate ( ) Primary school ( ) Secondary school ( )University ( )

Clinical Presentation :

Fever ( ) Cough ( ) Chest pain( ) Dizziness ( ) Short of breathing ( )

family History :Yes ( ) No ( )

Causes:

Abdominal ( ) Pulmonary ( ) Cardiac ( ) others ( )

Ultrasound Finding:

Mild ( ) Moderate ( ) Massive ( )

Associated ultrasound finding :

Organomegaly ( ) Metastasis ( ) Ascites ( ) Others ( )

Signature:.................................