ROLE OF COMPUTED TOMOGRAPHY IN INTERSTITIAL LUNG DISEASES

Thesis

Submitted for partial fulfillment
of the M.D. Degree of **Radiodiagnosis**

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Acknowledgment

I am much indebted to my teacher ***Prof. Dr. Nawal Zakaria Mohammed*** *Professor of radiodiagnosis, Ain shams University, for granting me the opportunity to work under her valuable guidance and instructive supervision and for presenting her kind, exceptional care and support.*

Special gratitude and deep appreciation are due to ***Prof. Dr. Khaled Talaat Khairy*** *Professor of radiodiagnosis, Ain shams University, who has earned me much of his time, effort and help.*

I would like to express my sincere thanks to ***Dr. Magdy Mohammed Khalil*** *lecturer of internal medicine, Ain shams University for his kind wise supervision.*

Special words of thanks are due to ***Dr. Sahar El-Gaafary*** *lecturer of radiodiagnosis, Ain shams University, for her valuable co-operation and help.*

I would like to express my deep gratitude to ***all professors and staff members*** *as well as my colleagues of radiodiagnosis department.*

No words are eloquent enough to express my appreciation and recognition of deep gratitude to ***my family*** *who supported me a lot.*

Laila

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ABSTRACT

The interstitial lung diseases (ILD) are a heterogenous group of diseases,which share a common clinical, physiological and radiological features.

ILD are classified into two main groups:

-- ILD of known etiology.

-- ILD of unknown etiology.

Fifty five patients with ILD were subjected to plain chest radiography, conventional CT chest examination. Forty six of the patients had HRCT of the chest performed.

This study revealed that conventional CT is superior in the assessment of nodular opacities, while HRCT is better for the assessment of linear and reticular opacities. HRCT can accurately determine disease activity, proper biopsy site, and for follow up of patients.

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List of Abbreviations

BAL	Bronchoalveolar lavage.
BIP	Bronchiolitis with interstitial pneumonia.
BOOP	Bronchiolitis obliterans with organizing pneumonia.
Co2	Carbon dioxide.
CT	Computed tomography.
CVD	Collagen-vascular disorders.
CWP	Coal workers' pneumoconiosis.
DIP	Desquamative interstitial pneumonia.
EAA	Extrinsic allergic alveolitis.
GIP	Giant cell interstitial pneumonia.
HRCT	High resolution Computed tomography.
ILD	Interstitial lung diseases.
ILO	International Labour Office.
IPF	Idiopathic pulmonary fibrosis.
KVp	Kilovolt peak.
LIP	Lymphocytic interstitial pneumonia.
MA	Melliamper.
PMF	Progressive massive fibrosis.
PSS	Progressive systemic sclerosis.
RA	Rheumatoid arthritis.
RBCs	Red blood cells.
SLE	Systemic lupus erythematosus.
UIP	Usual interstitial pneumonia.

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