بسم الله الرحمن الرحيم

(وَقُلْ رَبِّ زِدْنِي عِلْمًا(

صدق الله العظيم

(سورة طه الاية (114

Dedication

To my Father who truthfully presented me the chance of being knowledgeable and the Tribute of being a graduate

To my mother, who maintained with compassion and ambition

To my brother, my sisters

And all friends, colleagues and other people who assisted in this study.

ACKNOWLEDGMENT

First of all, I thank of Allah the almighty for helping me to complete this project, I would like to express my deep gratitude to my supervisor Dr. Ahmed Mustafa Abukonna who's Encouragement, guidance and support from understanding of subject.

Abstract

HRCT is the important radiographic procedure during the management of lung disease. This study aimed to evaluate role of HRCT diagnosis of lung diseases.

A total of 60 patients were examined in AL Modares medical center and Alnilin diagnostic center. In the period (October 2015-February 2016), the majority sample were male (50%) and female (50%).

In this study peak incidence was among the age between (22-78 years). The short of breathiness (SOB) is the most indication (59, 3%) incidence. The most common finding in HRCT is Tuberculosis (20, 3%). HRCT is best investigation tool in detecting lung abnormalities.

HRCT is superior investigation tool in detecting lung disease.

الملخص

تعتبر الأشعة المقطعية ذات الإظهار العالي من أهم الفحوصات لدراسة أمراض الرئة . هدفت هذة الدراسة لمعرفة دور الأشعة المقطعية ذات الإظهار العالي في تشخيص امرض الرئة.

تم فحص 60 مريض في كل من مركز المدرس الطبي ومركز النيلين التشخيصي الطبي في الفترة ما بين (أكتوبر 2015 إلي فبراير 2016)

كان عدد الرجال والنساء متساوي تقريبا , وكان أكثر أفراد العينة في الفئة العمرية (22-78 سنه) , بينما كانت صعوبة التنفس هي أكثر الأعراض ألسريريه (59.3%) . أظهرت الأشعة المقطعية ذات الإظهار العالي أن مرض السل هو الأكثر شيوعا (20.3%).

أظهرت هذة الدراسة أن الأشعة المقطعية ذات الإظهار العالي هي أفضل وسيلة تشخيصية للكشف عن أمراض الرئة.

List of Abbreviation

ARDS: adult respiratory distress syndrome

BPD: broncho pulmonary dysplasia

BOOP: bronchiolitis literals organizing pneumonia

Co2: carbon dioxide

O2: oxygen

COP: cryptogenic organizing pneumonia

CT : computed tomography

DIP: desguamative interstitial pneumonitis

HMD: hyaline membrane disease

HRCT : high resolution computed tomography

ILD: interstitial lung disease

LIP: lymphocyti interstitial pneumonitis

Po2: partial pressure of oxygen

SOB: shortness of breath

TB : tuberculosis

SOB: shortness of breath

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