Discipline MCP5776
Critical Evaluation of the Use of High Resolution Computed Tomography (HRCT) in Interstitial Lung Disease (ILD)

Subject Area: 5150

Created: 18/09/2014

Active since: 18/09/2014

Number of Credits: 1

Hours:

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<tr>
<th>Theoretical</th>
<th>Practical</th>
<th>Self-study</th>
<th>Duration</th>
<th>Total</th>
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<td>(per week)</td>
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<td>3</td>
<td>5</td>
<td>7</td>
<td>1 week</td>
<td>15 hours</td>
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Faculty Members Responsible:

Ronaldo Adib Kairalla
Bruno Guedes Baldi

Objectives:

Critical study of the use of high resolution computed tomography (HRCT) in the study of several interstitial lung diseases (ILD).

Background:

HRCT technique was developed due to the appearance of more powerful tomographs in the end of the 1980s and it allows a study in detail if lung parenchyma. In ILD the use of HRCT was a breakthrough in differential diagnosis, as well as in the understanding of the pathophysiology of the process, the analysis of the extension of the disease, and the therapeutic follow-up. Nowadays, the evaluation of ILD patients depends on tomographic analysis, and the comprehensive grasp of this method is crucial for both the clinical practice and the development of protocols of study. Additionally, new patterns are constantly defined. This discipline is important not only to make concepts uniform but also to enable postgraduate students to use this valuable diagnostic tool in a critical fashion.

Content:

1. In-depth study of different patterns of tomographic lesions in the main lung interstitial diseases and discussion of future perspectives related to the topic. 2. Critical analysis of the correlation between alterations in HRCT and in the pathology. 3. Critical analysis of the correlation between alterations in HRCT and the alterations found in lung function. Seminars. 1. HRCT in idiopathic lung fibrosis. 2. HRCT in idiopathic
interstitial pneumonias. 3. HRCT in sarcoidosis. 4. HRCT in interstitial cystic disease. 5. HRCT in hypersensitivity pneumonitis. 6. Critical study of the importance of HRCT in the diagnosis, follow-up and prognostic of ILD.

Assessment Methods:

The module will be assessed on the basis of presentation of seminars by students and on the discussion of the topics presented.

Observation:

Bibliography:


