

## **Clinically Urgent US Evaluation of Abdomen**

### **Acute Upper Abdomen**

**Jisun Lee**

Ultrasound imaging plays a pivotal role in the assessment and diagnosis of acute upper abdominal pathologies due to its non-invasive nature, real-time visualization, and widespread availability. This lecture provides a comprehensive review of the use of ultrasound in diagnosing common acute upper abdominal conditions, including non-traumatic and traumatic abdominal disease. We discuss the sonographic features, diagnostic criteria, and imaging protocols employed in the evaluation of these conditions. Additionally, we highlight the importance of clinical correlation and integration of ultrasound findings with patient history and physical examination. The advantages and limitations of ultrasound in comparison to other imaging modalities are also explored. Furthermore, we address emerging trends, technological advancements, and future directions in ultrasound imaging of the acute upper abdomen. Overall, this lecture aims to emphasize the indispensable role of ultrasound in the prompt and accurate diagnosis of acute upper abdominal pathologies, facilitating timely intervention and improved patient outcomes.