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The Role of Laparoscopy in Diagnosing Peritoneal TB: A Case Report from an Endemic Region

Abdominal tuberculosis (TB), particularly peritoneal TB, is a rare and challenging form of extra-pulmonary TB that often presents with nonspecific symptoms, leading to diagnostic difficulties and treatment delays. This case report highlights the diagnostic challenges of peritoneal tuberculosis (TB) in a 22-year-old Sudanese male presenting with nonspecific symptoms, such as abdominal pain, fever, and weight loss. Imaging revealed ascites, para-aortic lymphadenopathy, and omental thickening. Despite negative Ziehl-Neelsen staining, diagnostic laparoscopy and peritoneal biopsy confirmed TB through granulomatous inflammation.

The report emphasizes the importance of considering peritoneal TB in endemic areas and utilizing laparoscopy for diagnosis when conventional microbiological methods fail. Early diagnosis and treatment initiation are crucial for improved patient outcomes.

Keywords

Abdominal tuberculosis, Peritoneal tuberculosis, PCR, Ascites, , Laparoscopy, Diagnosis.

Biography

Dr. Mohamed Osman Suliman Basher is a General Surgeon with significant experience gained in Sudan and currently practicing at Cork University Hospital in Ireland. He has a strong interest in global surgical collaboration and is passionate about sharing surgical knowledge and improving care across diverse healthcare settings.