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Core needle biopsy in benign lung lesions: Table 3 Benign diagnoses on core needle biopsies of lung pathologic findings in 159 cases No. of cases Erika E. Doxtader MD*, Sanjay Mukhopadhyay MD, Anna-Luise A. Katzenstein MD (total = 159) 122 (77%) Specific diagnoses Necrotizing granulomatous inflammation 45 30 No organism identified Organism identified Histoplasma (10) 15 Coccidioides (2) Mycobacteria (2) Cryptococcus (2) Scar 28 Organizing pneumonia 13 Benign neoplasm 11 Hamartoma Solitary fibrous tumor 2 Schwannoma 1 Non-necrotizing granulomatous inflammation No organism identified 8 5 Organism identified Cryptococcus (2) 3 Fungal hyphae (1) Other specific diagnoses 17 Abscess 5 Nodular amyloidosis 3 Intranulmonary lymph node 3 Doxtader EE, et al. Hum Pathol 2010;41(11):1530-5



9











Darling S. J Exp Med 1905;344:665-71. © College of American Pathologists.

macrophages provide an environment favoring persistence of the organism and in more severe cases macrophages actually support and promote intracellular growth.

There are few exceptions to the monotonously consistent finding of organisms demonstrable only within the cytoplasm of macrophages. In heavy infection a few single yeast forms may occasionally be seen free within tissue spaces. We believe that these have probably been released from disintegrated macrophages. In frankly necrotic tissue clumps of extracellular organisms appear to represent the same phenomenon of survival of the parasite past the death of the phagocyte. Histoplasmosis endocarditis is the one clear exception. In this condition extracellular fungal proliferation is observed

Goodwin RA. Medicine (Baltimore) 1980;59(1):1-33.











17





































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29





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31











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39















45









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In my experience, in FFPE histology, GMS is by far the best stain for *Nocardia*

BUT: for boards and other exams, it is AFB-positive





















57















63

















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72

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Human PAthology (2009) 39, 1273-1294 Human PATHOLOGY ELSEVTER Unverteended and the second sec	Usual interstitial pneumonia (UIP)
Ryperiodic Byte international processing international processing in the data international processing internatinterelevel processing internaterelevel processing intern	REVIEW ARTICLE Image: Controversies in Pathology Controversies in Pathology Usual interstitial pneumonia (UIP): a clinically significant pathologic diagnosis Staging Mukhopadhyay et al. *** * A kuthorisi, under exclusive lecence to United States & Canadian Academy of Pathology 2022 This editorial focuses on common issues that surround the diagnosis of usual interstitial pneumonia (UP), a clinically significant pathologic diagnosis of UP is required for the chiral/multicipalinary diagnosis of diapathic plumonary fibrosis (PF) but it has also been described in several other clinical settings; loffer my viewpoint on 5 important questions. It is UP opposite fibrosis of a "pathologic indegnosis of a "pathologic indegnosis". Is used you prove "tiology of a "pathologic indegnosis of a "pathologic indegnosis". Is used you prove "tiology of a "pathologic indegnosis". Is used you prove "tiology of a "pathologic indegnosis". Is used you prove "tiology of a pathologic indegnosis". Is used you prove "tiology of a "pathologic indegnosis". Is used you prove "tiology of a "pathology". Math Hold we do when pathology and HRCT are discordiant? Answer: This depends on the specific; of the discordency. Math Hold are dowhen pathology and HRCT areadiscord and Hostopy thows UP



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103

















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109





111



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118

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