


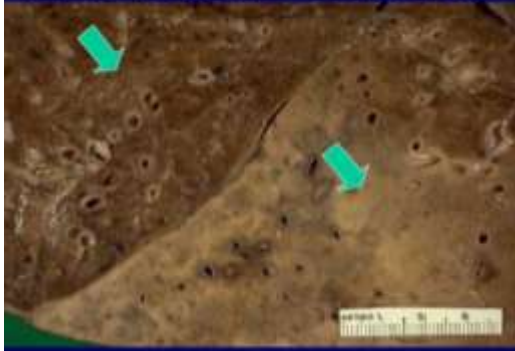


XVI. Diseases of the Respiratory System

I. Acute Specific	II. Aspiration Pneumonias
<p>(a) Bacterial</p> <ol style="list-style-type: none"> 1. Pneumococcus 2. Streptococcus haemolyticus 3. Staphylococcus aureus 4. Friedlander's bacillus 5. Mycobacterium tuberculosis 6. B. influenza 7. B. anthracis (wool sorters disease) 8. Pasteurella pestis (pneumonic plague) 9. Pasteurella tularensis 	<p>(a) Diffuse: Synonyms: Broncho-pneumonia</p> <p>Varieties:</p> <ol style="list-style-type: none"> 1. Post-operative 2. Hypostatic 3. Terminal 4. Post-bronchitis 5. Deglutition 6. Inhalation
<p>(b) Associated with virus diseases</p> <ol style="list-style-type: none"> 1. Influenza (virus + bacteria) 2. Measles (virus + bacteria) 	<p>(b) Localized: Synonyms:</p> <ol style="list-style-type: none"> 1. Infected segmental atelectasis 2. Pneumonitis
<p>(c) Viral</p> <ol style="list-style-type: none"> 1. Psittacosis-ornithosis group 2. Unidentified pneumotropic 3. Viruses of recognized acute specific diseases. 	<p>(c) Suppurative: Synonyms:</p> <ol style="list-style-type: none"> 1. Suppurative pneumonitis 2. Necro-suppurative broncho pneumonia 3. Lung abscess (most types)
<p>(d) Rickettsial</p> <ol style="list-style-type: none"> 1. R. burneti (Q-fever) 	<p style="text-align: center;">III. Other Types of Pneumonias</p>
<p>(e) Fungal</p> <ol style="list-style-type: none"> 1. Coccidioides immitis 2. Blastomyces dermatitidis 3. Histoplasma capsulatum 	<p>(a) Helminthic infection :</p> <ol style="list-style-type: none"> 1. Paragonimus 2. Bilharzia 3. Ascaris 4. Ancylostoma 5. Filaria 6. Cysticercus cellularis 7. Ecchinococcus granulosus
<p>(f) Spirochetal</p> <ol style="list-style-type: none"> 1. Syphilis 2. Leptospira ictero-haemorrhagica 3. Vincent's spirochetes 	<p>(b) Protozoa :</p> <ol style="list-style-type: none"> 1. Leishmaniasis 2. Kala-azar 3. Amoebiasis
<p>(g) Chemical</p> <ol style="list-style-type: none"> 1. Lung irritant gases 2. Lipoids 	<p>(c) Plasmodial:</p> <ol style="list-style-type: none"> 1. P. falciparum (malignant tertiary malaria)
<p>(h) Allergic</p> <ol style="list-style-type: none"> 1. Loeffler's syndrome 2. Eosinophilic-lung 3. Peri-arteritis nodosa 4. Rheumatic and collagen of the lung diseases 	

N.B. 2

- The red stage of hepatization of the lung (**pneumonic consolidation**) follows the **stage of congestion** and **precedes the stage of grey hepatization**.
- However, usually no sharp line exists between the stages; that is, more than one stage may be present at the same time in different portions of the affected lung (overlapping of stages).
- **The red stage** of lobar pneumonia usually starts at about the end of the second day.
- The affected parts, instead of containing air, they contain the acute inflammatory exudate.
- Hence if a small piece of a **pneumonic lung is cut, it can be shown to sink in water.**

		
<p><i>Figure 79</i> Nature Lobar Pneumonia <i>Specimen No. II-6.3121</i> <i>Reference P. 173</i></p>	<p><i>Figure 80</i> Nature <u>Lobar pneumonia</u> (grey stage) <i>Specimen No. II-6.3122</i> <i>Reference P. 174</i></p>	<p><i>Figure 81</i> Nature Bronchopneumonia (acute; confluent) <i>Specimen No. II-6.3142</i> <i>Reference P. 177</i></p>
	<p>Lobar Pneumonia – Gray hep...</p> 	

Lobar Pneumonia (grey stage)		II-6. 3122	
Lung:	Is enlarged Swollen Uniformly-consolidated Diffusely-affected throughout Is hepatized instead of being spongy in appearance		
	Cut surface:	Consolidated Moist appearance Granular (resembles grey granite) Pinkish-grey	
	Consistence:	Firm (sharp borders), but softer than in the red stage	
	On section:	Finely granular Moist (softening of the exudate) A sticky semi-purulent fluid (containing fine granules of fibrin) exudes, from alveoli and can be scraped	
Bronchi	Congested Excess of secretion		
Pleura	Pale greyish-whitish-yellow Dull over the affected lobes Opaque		
Lymph nodes (hilar) :	Enlarged Slightly anthracotic		