

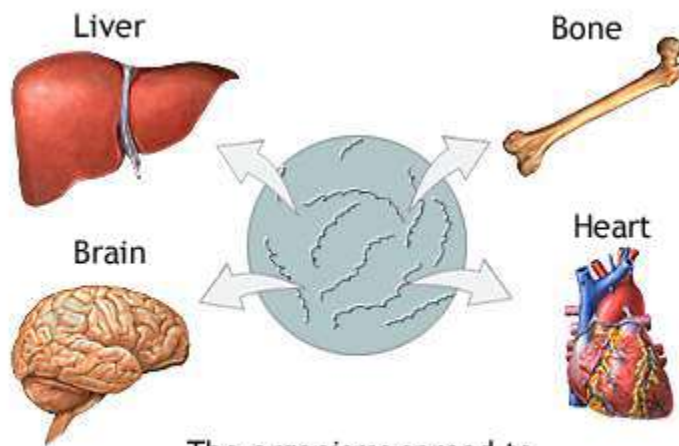
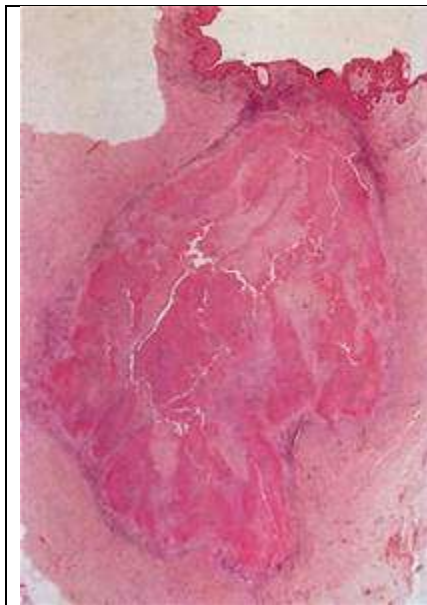


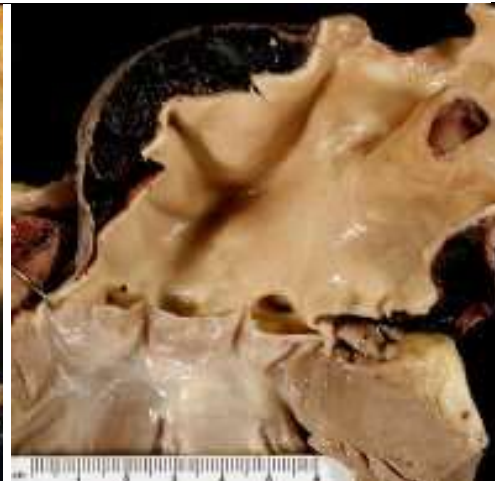
XV. Diseases of the Cardiovascular System

145

Syphilis	(localized tertiary stage lesion)		
Heart:	<ul style="list-style-type: none"> • Shows a gumma 		
<u>The gumma:</u>	<ul style="list-style-type: none"> • In the interventricular septum • Rounded • Yellowish-brownish-white • Rubber-like 		
N.B.:			
<ul style="list-style-type: none"> • Gumma of the myocardium is a rare condition. • It appears in the upper part of the inter-ventricular septum. • It is usually small in size and rubbery in consistence. • It may interrupt the conduction-bundle and cause heart block. 			
			
<p>Figure 64 Nature Syphilitic Aneurism of Aorta Specimen No. 1-6.33242 Reference P. 146</p>		<p>Figure 65 Nature Aneurism Perforating in Lung Specimen No. 1-6.33242 a Reference P. 147</p>	



The organisms spread to various organs causing lesions or gummas



Syphilitic Aortitis	T-6.33241			
Heart	Is opened Appears enlarged			
Aorta (ascending and arch):	Is dilated (saccular aneurism)			
	Shows depressions:	Shallow <u>Linear</u> <u>Stellate</u> Localized		
	Longitudinal scarring	(tree-bark appearance)		
	Wrinkled areas			
	Plaques at intima			

	<i>Plaques</i>	Raised Irregular Semi-translucent Greyish-white (pearly grey) Some are coalescing into larger ones
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N.B.:

In the tertiary stage, syphilis affects the aorta in its ascending part and at the arch.

The characteristics of syphilitic aortitis are :

1. The aorta becomes more adherent to the mediastinal structures particularly the pulmonary artery.
2. The cut edge of the aorta becomes distinctly thickened.
3. The intima shows elevated patches: Pale, pearly-white and smooth.
4. Later on the patches become: Ivory-like, irregular, pitted and scarred.
5. The intervening tissue appears wrinkled and crinkled forming linear corrugations.
6. There are, as well, fine transverse wrinkling due to stellate scars.
7. The syphilitic changes usually stop abruptly after the arch of aorta.
8. The syphilitic lesions usually show
 - **No fatty patches,**
 - **No calcification and**
 - **No ulceration** (D.D. atheroma).
9. No extension to the coronary blood vessels although the swelling of the intima may narrow the openings (mouths) of the coronary arteries.

10. The aortic valve in syphilis may show:

- Normal appearance (frequently).
- Widening of commissures.
- Cord-like thickening of the free edge of the cusps (rolled).
- Retraction of the cusps (sclerosis), producing syphilitic endocarditis. .

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