



## Leprosy

Lei	oro	sv	=	П	ПΠ	П	П	٦

Leprosy is caused by M*Jeprae* 

and predominantly affects the skin and peripheral nerve

Lei	pro	sv	=	ПГ	٦П	П	ПΠ
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Immunopathologic Spettrum

Leprosy

Leprosy = 00000	
The sequence of diseas tep at teogenesis is complant joenes; with romoic naon to the particular diseast and additional times.	endd

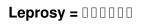
Leprosy = 00000
TT and LL nationts are stable, the former often self-bealing and the letter remaining beautily infected unl
TT and LL patients are stable, the former often self-healing and the latter remaining heavily infected unl

Leprosy = 000000
absence of treatment. Timedetentinalination leptriday spectaerd to Besis tibe predictions special mids to perticularly described in the contract of the contra
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Staining

of

Mycobacterium leprae Bacilli



The classical method for demonstrating leprosy bacilli in lesions is a modified Ziehl-Neelsen stain, where

ВΙ

=

0: no bacilli observed

ВΙ

1:

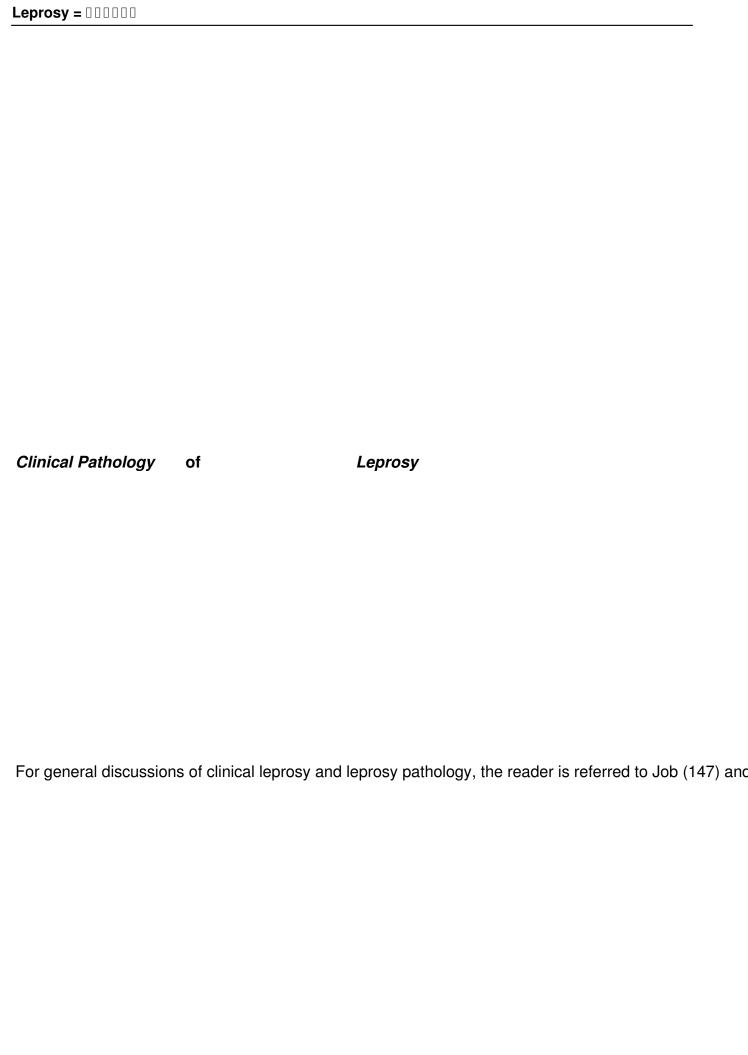
3:

4:

5:

6:

Leprosy = 00000
Solid-staining bacilli indicate that the organisms are capable of multiplication. Fragmented (beaded) a
bacilli indicate that they paraudibandi/Pantijents with nodsaccillitdesterote lode nimalengilondido blical/ternymed (this
Immunocytochemical methods for demonstrating mycobacterial antigens have a limited role. The mo-
minumocytochemical methods for demonstrating myoobasterial analgeris have a limited fole. The mo-



Leprosy = 00000
Early, Indeterminate Leprosy
Many patients present with obvious or advanced skin and peripheral nerve lesions (the latter are prima

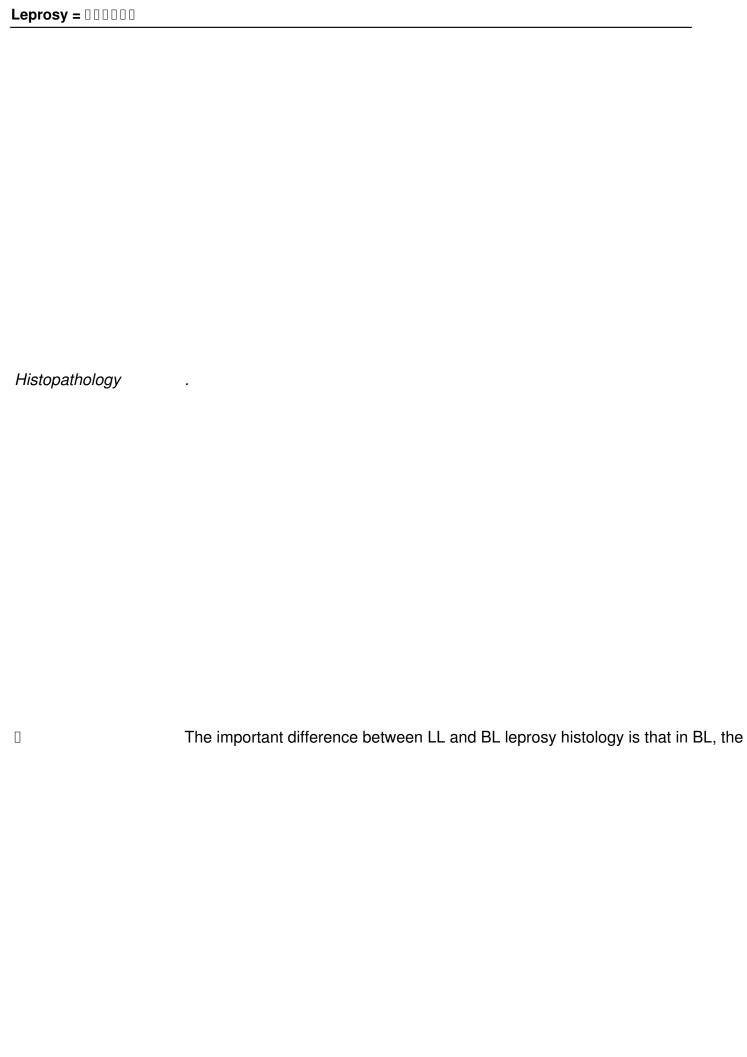
Leprosy = 000000
Histopathology .
There is mild lymphocytic and macrophage accumulation around neurovascular bundles, the
superficial and deep dermal vessels, sweat glands, and erector pili muscle; focal lymphocytic invasion

Leprosy = 000000
A distinctive variant of lepromatous leprosy, the histoid type, first described in 196
Rarely, lepromatous leprosy can present as a single lesion rather than as multiple lesions (150).

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Histopathology.	
.epromatous leprosy, in=the usual macular or inf4tract5v)e(Friggstul2af -l893)orTsh,œbabibiltis, a <b>n Vokalele</b> sFrited	sset Bhurharni gir,
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Leprosy = 000000	
In time, and with anti my globbacterial chemothera by lepropensions beautidis aciru or unlatestruch	te mezarbaid deress
The time, and with and mystalactorial enemietrorapy, apagoinates appropriate and the time.	.ao o casa capa a significant
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Leprosy = 00000	
I Part and I amount and	
Histoid Leprosy	
Histoid leprosy shows the highest loads of bacilli (frequently, the BI is 6), and the majority are solic	ı stain





<b>Leprosy =</b> 00000	
Histopathology.	In BB leprosy, the macro phages are uniformly activated to epithelioid cells but
Borderline Tubercu	ıloid Leprosv

<b>Leprosy =</b> 00000	
In borderline tuberculoida(ness)theopinosy, the lesio	ns are asymmetrical and may be scanty. They are dry, h
Histopathology .	Granulomas with peripheral lymphocytes follow the neu

Leprosy = 00000	
and are not large in size. Granulomas along the superficial vascular plexus are frequent, but they do n	ot
Tuberculoid Leprosy	

Leprosy = 000000
The skin lesions of tuberculoid (TT) leprosy are scanty, dry, erythematous, hypopigmented papules or p
Histopathology

. Primary TT leprosy has large epithelioid cells arranged in compact granulomas

Leprosy = 000000
Peripheral Nerves
In all of these patterns of leprosy, the major peripheral nerves are often undergoing parallel pathologie

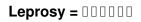
Leprosy = 000000
Leprosy Reactions
Leprosy reactions are classified into two main types (1 and 2). A third reaction is specific to Lucio multib

Lei	oro	sv	=	П	ПΠ	П	П	٦

Type 1 Reactions

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ecause the immunopathophorgidinspectrum of lepronsy is a continuum, patiente risaly reacotionals on	g it i <b>sshlioftstiht</b> e





there is edema within and about the granulomas and proliferation of fibrocytes in the dermis. In upgradir



Leprosy = 00000	
On the skin, tender, re	ed plaques and nodules together with areas of erythema, and occasionally also po
Histopathology.	In ENL, the lesions are foci of acute inflammation superimposed on chronic mu

Leprosy = 00000	
anti mycobacterial immunocytochemical stain (e.g., anti-BCG) will indicate abundant antigen. A n	ecroti-
anti mycobacteriai inimunocytochemicai stain (e.g., anti-bod) wiii indicate abundant antigen. A n	ECIONIZ
Lucio Reaction	

The Lucio reaction occurs exclusively in diffuse lepromatous leprosy, in which it is a fairly common compared to the common occurs and the common occurs are considered to the common occurs and the common occurs are considered to the considered to
usually occurs in patients who have received either no treatment or inadequate treatment. In contrast to
Histopathology. In the Lucio reaction, vascular changes are critical. Endothelial proliferation lea

<b>Leprosy =</b> 00000		
<b>Electron Microscopy of Leprosy</b>		

Leprosy = 00000	
Under electron microscol <b>e</b> pp; <b>ale</b> .	can be seen to consist of an electron-dense cytoplasm
Pathogenesis of Leprosy	

Leprosy = 00000		
With respect to immunol legicate activit	ty, patients <b>lvithdepeopætitents lv</b> ip	tholsgárhæninætældseflepträsscellhonnedidhtæd

Leprosy = 000000
The specific inability of T lymphocytes obtained from patients with lepromatous leprosy to react agains

Leprosy = 00000
Analysis of T-cell subsets in lesions has shown that in tuberculoid leprosy, with its high degree of res
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Leprosy = 00000	
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In patients with either ENL or the Lucio reaction, deposits of IgG and the third component of co	mplemer
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Leprosy = 00000	
The lepromin skin test, de Miasuda test, consists de the intrade annual citaje ed on fecte op leura acuti disso feMA po	osit