

Pathogenesis.—Subcutaneous inoculation of guinea-pig kills in two to five days, with hæmorrhagic necrosis and œdema at site of inoculation. The bacilli can be recognised microscopically and by culture near spot of inoculation, but blood and viscera give negative results. Disseminated parenchymatous degeneration of liver and kidneys.

The following is a tabular analysis of the cases, divided into two groups:—

GROUP A.—Cases evidently diphtheria.

Number of cases examined, 9. Result: Positive 8; Negative, 1.

No.	Name.	Sex.	Age	Service.	Course.	Result of Examination.	Remarks.
1	M. L.	F	21	M. G. Hospital.	Recovery	Typical.* Oidium also found.	Began as Tonsillitis,
2	L. E.	M	2	Do.	Death.	Typical.	Nasal diphtheria. Bacilli in bit of membrane. None in nasal secretion.
3	Mrs. T.	F	28	Dr. England.	Recovery	Two colonies only.	
4	W. P.	M	16	M. G. Hospital.	Do.	No Loeffler bacilli; abundant staphylococcus pyogenes aureus.	Rapid disappearance of membrane, (nasal voice).
5	L. M.	F	10	Dr. Major.	Do.	Only two colonies found. Oidium present	Marked diphtherial paralysis.
6	F. P.	M	8	M. G. Hospital.	Do.	Typical.	
7	E. G.	F	10	Do.	Do.	Typical.	
8	L. P.	M	13	Do.	Do.	Typical.	
9	M. G.	F	4	Do.	Death.	Typical.	

* In cases marked "typical" a large number of the virulent Loeffler bacilli were found.

GROUP B.—Anomalous cases.*

Number of cases, 5. Result: Positive, 1; Negative, 4.

1	O. P.	F	20	M. G. Hospital.	Recovery	Negative.	Exudate confined to Tonsils.
2	C. W.	F	24	Do.	Do.	Negative.	Nasal diphtheria? Nasal voice. Local examination unsatisfactory.
3	A. C.	M	1	Do.	Do.	Negative.	Local examination unsatisfactory.
5	W. J.	M	8	Do.	Do.	Negative.	Scarletina.
6	S.	M	8	Dr. Birkett.	Do.	Positive.	

* Cases 1, 2 and 3 of this series were placed in the diphtheria ward of the Montreal General Hospital. Several cases of follicular tonsillitis were also examined, always with negative results.