

NTP Nonneoplastic Lesion Atlas

Lacrimal Gland – Infiltration Cellular, Mononuclear Cell

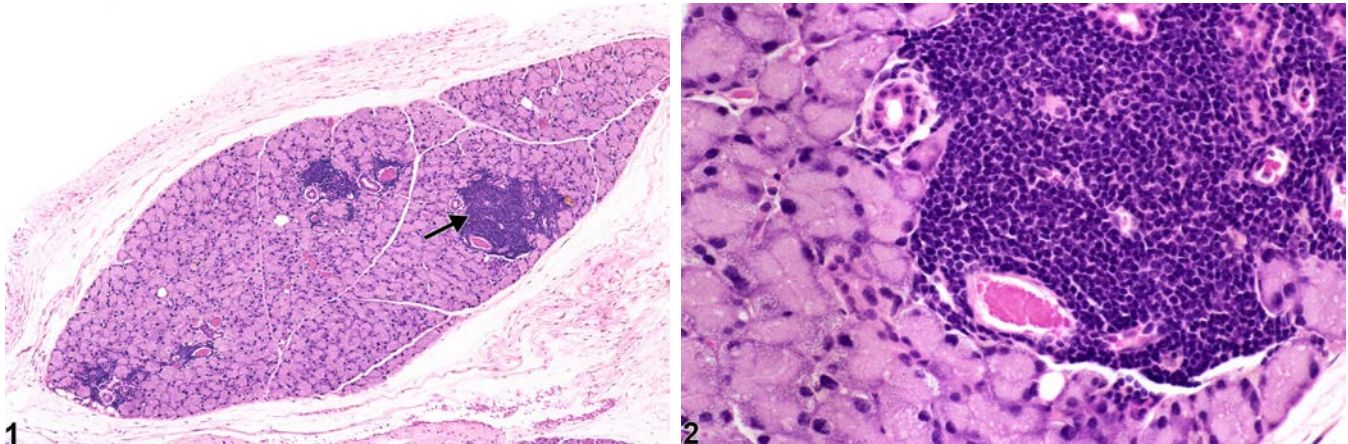


Figure Legend: **Figure 1** Lacrimal gland - Infiltration cellular, Mononuclear cell in a male B6C3F1 mouse from a chronic study. Variably sized interstitial foci of mononuclear cells (mainly lymphocytes) (arrow) are present in the lacrimal gland. **Figure 2** Lacrimal gland - Infiltration cellular, Mononuclear cell in a male B6C3F1 mouse from a chronic study (higher magnification of Figure 1). The mononuclear cells (mainly lymphocytes) are present without evidence of tissue damage.

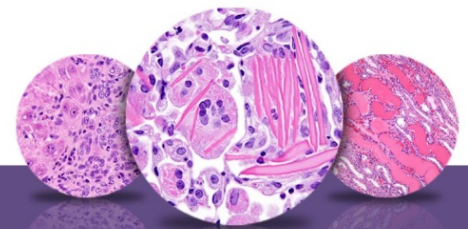
Comment: Scattered, variably sized interstitial foci of mononuclear cells (usually lymphocytes) are common in the lacrimal glands of rats and mice (Figure 1 and Figure 2), often increasing in incidence and severity in older animals. Increased incidences and severity of such infiltrates can also occur as treatment-related toxic effects or in other pathologic conditions.

Recommendation: Lacrimal gland mononuclear cell infiltrates should be diagnosed and assigned a severity grade only if there are treatment-related differences in the incidence and/or severity. Mononuclear cell infiltrates can be distinguished from inflammation by features of inflammation such as tissue destruction, hemorrhage, fibrosis, edema, and the presence of other leukocyte types.

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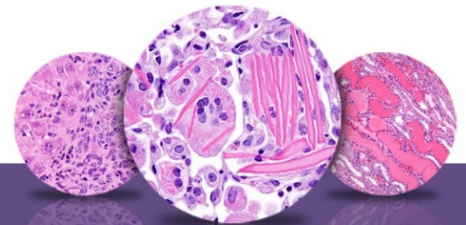
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