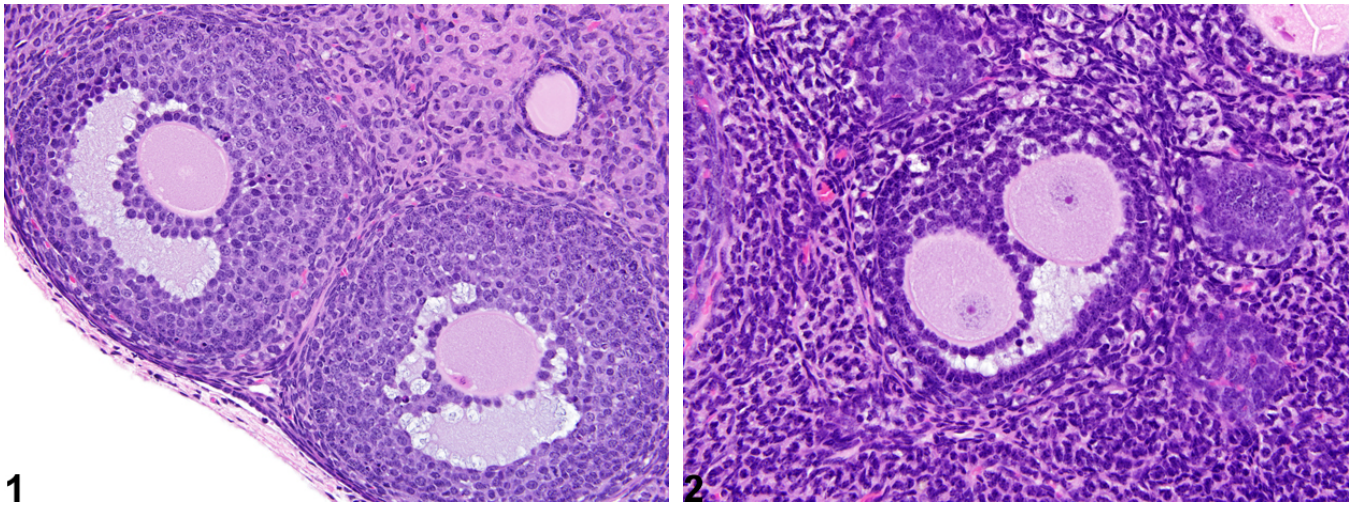
Ovary, Follicle – Polyovular



1 2

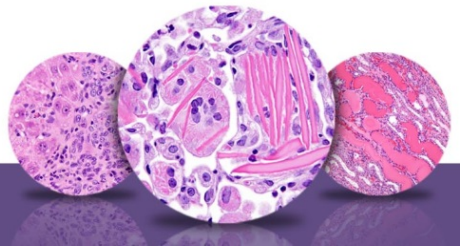
Figure Legend: **Figure 1** Ovary - Normal in a female B6C3F1/N mouse from a subchronic study. The two adjacent follicles are distinct; compare with Figure 2. **Figure 2** Ovary, Follicle - Polyovular in a female B6C3F1/N mouse from a subchronic study. One follicle contains two oocytes, in contrast to the adjacent follicles shown in Figure 1.

Comments: Individual follicles may be closely adjacent to each other (Figure 1). Each of these follicles contains one oocyte. A polyovular follicle comprises a single follicle containing two oocytes, each with its own nucleus, zona pellucida, and layer of granulosa cells (Figure 2). Polyovular follicles are occasionally seen as a background finding but have been recorded as a treatment-related finding in mice in one subchronic NTP study.

Recommendation: Ovary, Follicle – Polyovular should be diagnosed when present, but severity grading is not necessary.

Reference:

Maekawa A, Maita K, Harleman JH. 1996. Changes in the ovary. In: Pathobiology of the Aging Mouse (Mohr U, Dungworth DL, Capen CC, Carlton WW, Sundberg JP, Ward JM, eds). ILSI Press, Washington, DC, 451-467.



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