Kidney – Metaplasia, Osseous

Figure Legend: Figure 1 Kidney - Metaplasia, Osseous in a female B6C3F1 mouse from a chronic study. An area of mature bone and associated hematopoietic cells is present in the renal cortex. Figure 2 Kidney - Metaplasia, Osseous in a male B6C3F1 mouse from a chronic study. An area of mature bone is present in the cortex.

Comment: Osseous metaplasia is characterized by mature-appearing bone in the renal parenchyma. It is usually noted as a focal lesion in the cortex and is regarded as a spontaneous lesion of no pathologic significance. Osseous metaplasia may vary in size, and hematopoietic cells may be present in larger lesions (Figure 1 and Figure 2). Osseous metaplasia needs to be distinguished from mineralization.

Recommendation: Osseous metaplasia should be recorded but need not be graded.

Reference:


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