Kidney – Ectopic Tissue

Figure Legend: Figure 1 Kidney - Ectopic tissue, Liver in a female F344/N rat from a chronic study. Ectopic liver (arrow) involves the capsule of the kidney. Figure 2 Kidney - Ectopic tissue, Adrenal gland in a young Sprague-Dawley rat. A well-demarcated subcapsular lesion (arrow) is diagnosed as an ectopic adrenal gland. (Image provided courtesy of Dr. Johnson Thomas, Dow Chemical USA.)

Comment: In rare cases, various foci of extrarenal tissue can be noted in the kidney, particularly near the capsule. Liver tissue and adrenal tissue have been reported (Figure 1 and Figure 2). These ectopic tissues occur spontaneously with no pathologic or toxicologic significance. They must be differentiated from the presence of either primary or metastatic neoplasia.

Recommendation: Ectopic tissues should be diagnosed when present but should not be graded. The diagnosis should be modified with the tissue of origin (e.g., Kidney - Ectopic tissue, Liver).

References:

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