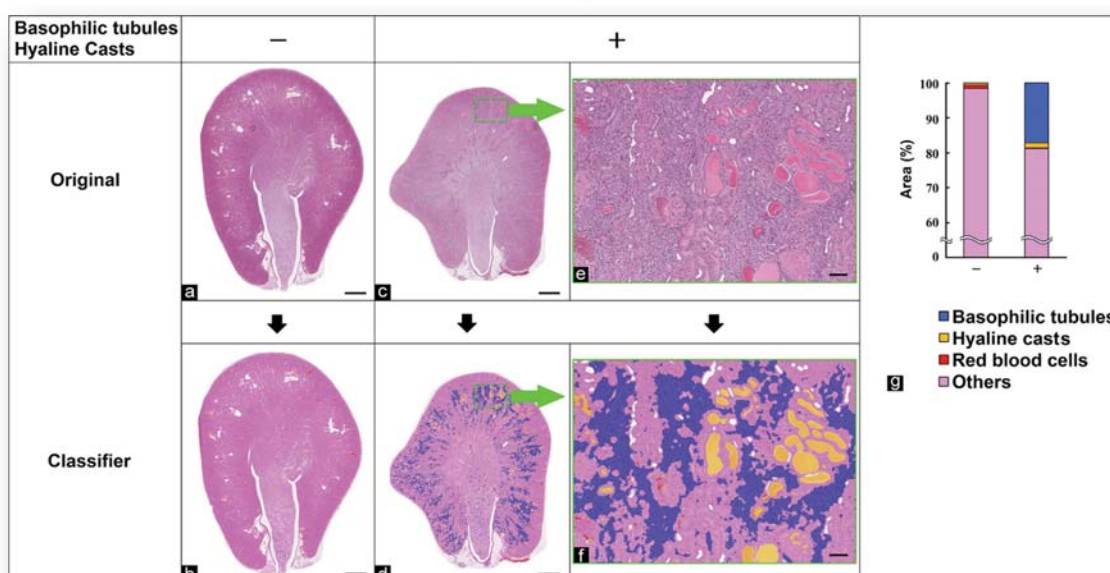




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Description

The *Journal of Toxicologic Pathology* is an official periodical journal of the Japanese Society of Toxicologic Pathology. The journal accepts original papers, short communications, case reports and review articles. One volume published each year is composed of four numbers. Members of the Society are entitled to receive all publications in exchange for his or her membership fee. All articles published in the *Journal of Toxicologic Pathology* represent the opinion(s) of the author(s) and should not be construed to reflect the opinion of the Society.

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Mailing address: Satoshi Furukawa, D.V.M., Ph.D., Editor-in-Chief
Editorial Office, *Journal of Toxicologic Pathology*, c/o Publication Center, IPEC, Inc., 1-24-12 Sugamo, Toshima,
Tokyo 170-0002, Japan

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Cover: Quantification of basophilic tubule and hyaline cast area in the kidney. The morphological features of basophilic tubule, hyaline cast, red blood cell, and the other components (normal tubules, glomeruli, and renal pelvis) were learned, and separated by the tissue classifier module of HALO using HE-stained specimens which a degree of basophilic tubule was graded as - or + and that of hyaline cast was graded as - or +. (a, c, e) Original images. (b, d, f) Segmented images of basophilic tubule (blue), hyaline cast (yellow), red blood cell (red), and the other region (pink). (e, f) Enlarged images of green frames in (c) and (d), respectively. Grade of basophilic tubule and hyaline cast evaluated by pathologists: (a, b) no change, -; (c-f) slight, +. Bar = 1 mm (a-d) and 100 μ m (e, f). (g) Quantitative result of segmented area (% of whole area of the kidney section). (See Y Horai, *et al.* p 319-327)