

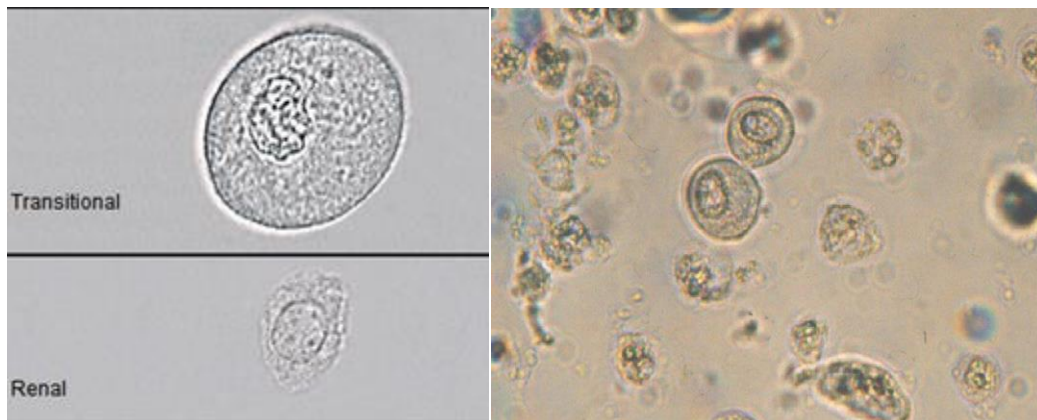
Bulletin #2 - October 2018 Event

Transitional cells:

Transitional cells in urine sediments are derived from transitional epithelium of the urinary bladder, ureter, or from the renal pelvis. They vary considerably in shape from round to oval or triangular, and have abundant cytoplasm. The nuclei is round or oval, borders are distinct, and the chromatin is finely granular. Because of their occasional umbrella-like shape they are referred by some investigators as “umbrella” cells.

Renal cells:

Renal epithelial cells are rarely observed in urine sediment without renal parenchymal disease. They are usually larger than granulocytes and contain a large round or oval nucleus that occupies more of the total cell volume.



2018-853

Above is the sample 2018-853 sent in the October 2018 event which was a transitional cell. Next to it is the comparison picture of a transitional cell vs. a renal cell.

Reference: Renal and Urinary tract Cytology and its Histopathologic Bases; 1981 edition.
Prepared by MPC.