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| **Urea Nitrogen, Body Fluid** |
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| **Peritoneal/​Ascites Fluid Urea Nitrogen** |
| Clinical Indications | Evaluation of urinary tract leakage (UTL) |
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| Reference Interval and/or Interpretive Information | The concentration of urea nitrogen in peritoneal fluid should be equivalent to serum concentration. Higher concentrations of urea nitrogen in peritoneal fluid compared to serum/blood may be indicative of UTL [1,2] |
| In patients with UTL, the concentrations of peritoneal urea nitrogen were 10-29 times greater than those in blood [1] |
| Urea nitrogen concentration ratio of peritoneal/blood was approximately 18 in patients with UTL [1] |
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| References | [1] Wang JH, Kung YH, King TM, Chang MC, Hsu CW. Measurement of peritoneal fluid urea nitrogen and creatinine levels is useful to detect iatrogenic urinary tract leakage in colorectal surgery. J Chin Med Assoc. 2015 May;78(5):283-6. |
| [2] Manahan KJ, Fanning J. Peritoneal fluid urea nitrogen and creatinine reference values. Obstet Gynecol. 1999 May;93(5 Pt 1):780-2. |
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| https://www.aruplab.com/bodyfluids |