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| **Creatinine, Body Fluid** |
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| **Peritoneal/​Ascites Fluid Creatinine** |
| Clinical Indications | Evaluation of urinary tract leakage (UTL) |
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| Reference Interval and/or Interpretive Information | The concentration of creatinine in peritoneal fluid should be equivalent to serum concentration. Higher concentrations of creatinine in peritoneal fluid compared to serum/blood may be indicative of UTL [1,2] |
| In patients with UTL, the concentrations of peritoneal creatinine were 30-90 times greater than those in blood [1] |
| Creatinine concentration ratio of peritoneal/blood was approximately 49 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. doi: 10.1016/j.jcma.2015.01.006. Epub 2015 Mar 11. |
| [2] Manahan KJ, Fanning J. Peritoneal fluid urea nitrogen and creatinine reference values. Obstet Gynecol. 1999 May;93(5 Pt 1):780-2. doi: 10.1016/s0029-7844(98)00516-x.  |
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| https://www.aruplab.com/bodyfluids |