Supplementary Table 1. RTOG acute radiation morbidity scoring criteria. *Source: reference no. 12*

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| Domain | Grade 0 | Grade 1 | Grade 2 | Grade 3 | Grade 4 |
| Bowel toxicity | No change | Increased frequency or change in  quality of bowel habits not  requiring medication/rectal  discomfort not requiring  analgesics | Diarrhea requiring  parasympatholytic drugs  (e.g., Lomotil)/mucous  discharge not  necessitating sanitary  pads/rectal or abdominal  pain requiring analgesics | Diarrhea requiring parenteral  support/severe mucous or  blood discharge necessitating  sanitary pads/abdominal  distention (flat plate  radiograph demonstrates  distended bowel loops) | Acute or subacute  obstruction, fistula or  perforation; GI bleeding  requiring transfusion;  abdominal pain or  tenesmus requiring tube  decompression or bowel  diversion |
| Bladder toxicity | No change | Frequency of urination or nocturia  twice pretreatment habit/dysuria,  urgency not requiring  medication | Frequency of urination or  nocturia that is less  frequent than every hour.  Dysuria, urgency, bladder  spasm requiring local  anesthetic (e.g.,  Pyridium) | Frequency with urgency and  nocturia hourly or more  frequently/dysuria, pelvis  pain or bladder spasm  requiring regular, frequent  narcotic/gross hematuria with/  without clot passage | Hematuria requiring  transfusion/acute bladder  obstruction not  secondary to clot  passage, ulceration, or  necrosis |