Table 1. The calculation of disease activity index

|  |  |  |  |
| --- | --- | --- | --- |
| Score | Wight loss (%) | Stool blood | Stool consistency |
| 0 | <1 | Negative | normal |
| 1 | 1-5 | Negative | Loose stools |
| 2 | 5-10 | Hemoccult positive | Loose stools |
| 3 | 10-15 | Hemoccult positive | Diarrhea |
| 4 | >15 | Gross bleeding | Diarrhea |
| Disease activity index (DAI) | (Weight loss+ Stool blood+ Stool consistency)/3 | | |

Table 2. The calculation of macroscopic damage score

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Score | Fecal blood | Diarrhea | Colon damage | Colon length shortening (%) | Colon weight loss (%) |
| 0 | Absence | No diarrhea | no inﬂammation | <5 | <5 |
| 1 | presence | loosely shaped moist pellets | reddening, mild inﬂammation | 5-14 | 5-14 |
| 2 |  | amorphous, moist, sticky pellets | moderate inﬂammation or more widely distributed | 15-24 | 15-24 |
| 3 |  | diarrhea | severe inﬂammation and/or extensively distributed | 25-35 | 25-35 |
| 4 |  |  | Gross bleeding | >35 | >35 |
| Macroscopic damage score | Summation of the five sub-items | | | | |

Table 3. The calculation of microscopic damage score

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Score | Goblet cell depletion | Crypt abscesses | Destruction of mucosal architecture | Extent of muscle thickening | Cellular inﬁltration |
| 0 | Absence | Absence |  |  |  |
| 1 | presence | presence | normal | normal | normal |
| 2 |  |  | moderate | moderate | moderate |
| 3 |  |  | extensive | extensive | transmural |
| Microscopic damage score | Summation of the five sub-items | | | | |