Supplementary table 1. Numerical endoscopic scoring systems for ulcerative colitis.

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| Van Der Heide\(^1\) (1987) | Randomized-controlled, prospective study | Numerical grading system generating a total score (0-16) composed of 8 variable sub-scores:  
  a) **Colour:**  
  (0) Normal, (1) Red, (2) Deeply red  
  b) **Vascular pattern:**  
  (0) Normal, (1) Partially absent, (2) Absent  
  c) **Friability:**  
  (0) Normal, (1) Slight, (2) Severe  
  d) **Granularity:**  
  (0) Absent, (1) Fine, (2) Coarse  
  e) **Rectal valves:**  
  (0) Sharp, (1) Swollen, (2) Absent  
  f) **Ulcers:**  
  (0) Absent, (1) Few, (2) Multiple  
  g) **Spontaneous bleeding:**  
  (0) Absent, (1) Discrete, (2) Severe  
  h) **Mucopurulent exudate:**  
  (0) Absent, (1) Little, (2) Much | Some clinical studies | Not validated |
| Endoscopic Index (Rachmilewitz index)\(^2\) (1989) | Prospective study | Numerical grading system generating a total score (0-12) composed of 4 variable sub-scores:  
  a) **Granulation scattering reflected light:**  
  (0) No, (2) Yes  
  b) **Vascular pattern:**  
  (0) Normal, (1) Faded/disturbed, (2) Completely absent  
  c) **Vulnerability of mucosa:**  
  (0) None, (2) Contact bleeding, (4) Spontaneous bleeding  
  d) **Mucosal damage (mucus, fibrin, exudate, erosions, ulcer):**  
  (0) None, (2) Slight, (4) Pronounced | Multiple clinical studies and RCT | Not validated |
| Sigmoidoscopic index (Hanauer)\(^3\) (1989) | Prospective study | Numerical grading system generating a total score (0-16) composed of 5 variable sub-scores, each graded as (0) normal, (1) mild, (2) moderate or (3) severe:  
  a) **Erythema**  
  b) **Friability**  
  c) **Granularity/ulceration**  
  d) **Mucopus**  
  e) **Disappearance of mucosal vascular pattern** | Multiple clinical studies and RCT | Not validated |
| Beattie score<sup>4</sup> (1996) | Prospective study | Numerical grading system generating a total score (0-15) composed of severity scores (0-3) for each colonic segment (ascending, transverse, descending, sigmoid and rectum):  
(0) Quiescent  
(1) Mild  
(2) Moderate  
(3) Severe | Some clinical studies | Not validated |
| Endoscopic Clinical Correlation Index (ECCI)<sup>5</sup> (2005) | Prospective study | Numerical grading system generating a total score (0-30) based on two separate severity scores (Presence of active lesions and mucosal fragility) assessed at each colonic segment (rectum, sigmoid, descending, transverse, ascending colon and caecum):  
**a) Presence of active lesions:**  
(0) none, (1) hyperaemia & edema, (2) erosions, (3) ulcers  
**b) Mucosal friability:**  
(0) normal mucosa, (1) bleeding to instrumental traumatism, (2) spontaneous bleeding | Some clinical trials | Not validated |
| Endoscopic Activity Index (EAI)<sup>6</sup> (2010) | Prospective study | Numerical grading system generating a total score (0-16) composed of 6 variable sub-scores:  
**a) Size of ulcers:**  
(0) None, (1) Erosions/small ulcers, (2) Intermediate, (3) Wide-ranged mucosal defects  
**b) Depth of ulcers:**  
(0) None, (1) Shallow, (2) Intermediate, (3) Deep  
**c) Redness:**  
(0) None, (1) Mild, (2) Marked  
**d) Bleeding:**  
(0) None, (1) Contact bleeding, (2) Spontaneous bleeding, (3) Massive bleeding  
**e) Mucosal oedema:**  
(0) None, (1) Mild, (2) Moderate, (3) Severe  
**e) Mucous exudate:**  
(0) None, (1) Mild, (2) Marked | Multiple clinical studies and RCT | Not validated |
| UCCIS<sup>7,8</sup> (2012) | Prospective study | Numerical score derived by entering the individual grade of four descriptors into a formula (3.1 x vascular pattern + 3.6 x granularity + 3.5 x ulceration+ 2.5 x bleeding/friability)  
**Descriptors:**  
**a) Vascular pattern** | Some clinical trials | Validated |


