

**Supplementary Table 1 Scoring criteria for modified Newcastle Ottawa System**

<b>Quality Checklist</b>	
<i>Selection</i>	
1	Assignment for treatment-any criteria reported (if yes, 1-star)?
2	How representative was the reference group (EMR group) in comparison to the general population for colorectal lesions? (If yes, 1-star, no stars if the patients were selected or selection of group was not described).
3	How representative was the treatment group (ESD group) in comparison to the general population for colorectal lesions? (If drawn from the same community as the reference group, 1-star, no stars if drawn from a different source or selection of group was not described.)
<i>Comparability</i>	
Comparability variables: (1) Age; (2) gender; (3) lesion size; (4) LST; (5) lesion location; (6) LGD; (7) HGD; (8) submucosal tumor; (9)non-invasive cancer ; (10) cancer	
4	Groups comparable for 1,2,3,4,5. (If yes, 1-star was assigned for each of these. No star was assigned if the two groups differed.)
5	Groups comparable for 6, 7, 8, 9, 10. (If yes, 1-star was assigned for each of these. No star was assigned if the two groups differed.)
<i>Outcome assessment</i>	
6	Clearly defined outcome of interest (if yes, 1-star).
7	Follow-up (1-star if described.)

EMR: Endoscopic mucosal resection; ESD: Endoscopic submucosal dissection; LST: Lateral spreading tumor; LGD: Low grade dysplasia; HGD: High grade dysplasia.