



Grasper



Bipolar



Hook



Clipper



Scissors



Irrigator



Specimen Bag

(a) Original tools annotations in Cholec80 dataset



Original label : [1, 0, 1, 0, 0, 0, 0]

Adjusted label : [1, 0, 1, 0, 0, 0, 0, 1]

(b) Original label and adjusted label