

Appendix S1

SUPPLEMENTARY MATERIALS AND METHODS

For identification of sentinel lymph node (SLN), the radioisotope (RI) method and indocyanine green (ICG) fluorescence method were used.

1) RI method: On the day before surgery, 0.3 to 0.5 ml of 99 mTc-phytic acid was locally injected into the skin around the tumour. Dynamic images were taken every 1 minute after the injection, and the hot nodes accumulating RI were confirmed and marked on the body surface.

2) ICG fluorescence method: Immediately before surgery, 0.5 to 0.8 ml of 1% diagnogreen was injected into the skin around the tumor. Lymph ducts and SLN that emitted light viewed by an infrared camera were identified and marked on the body surface.