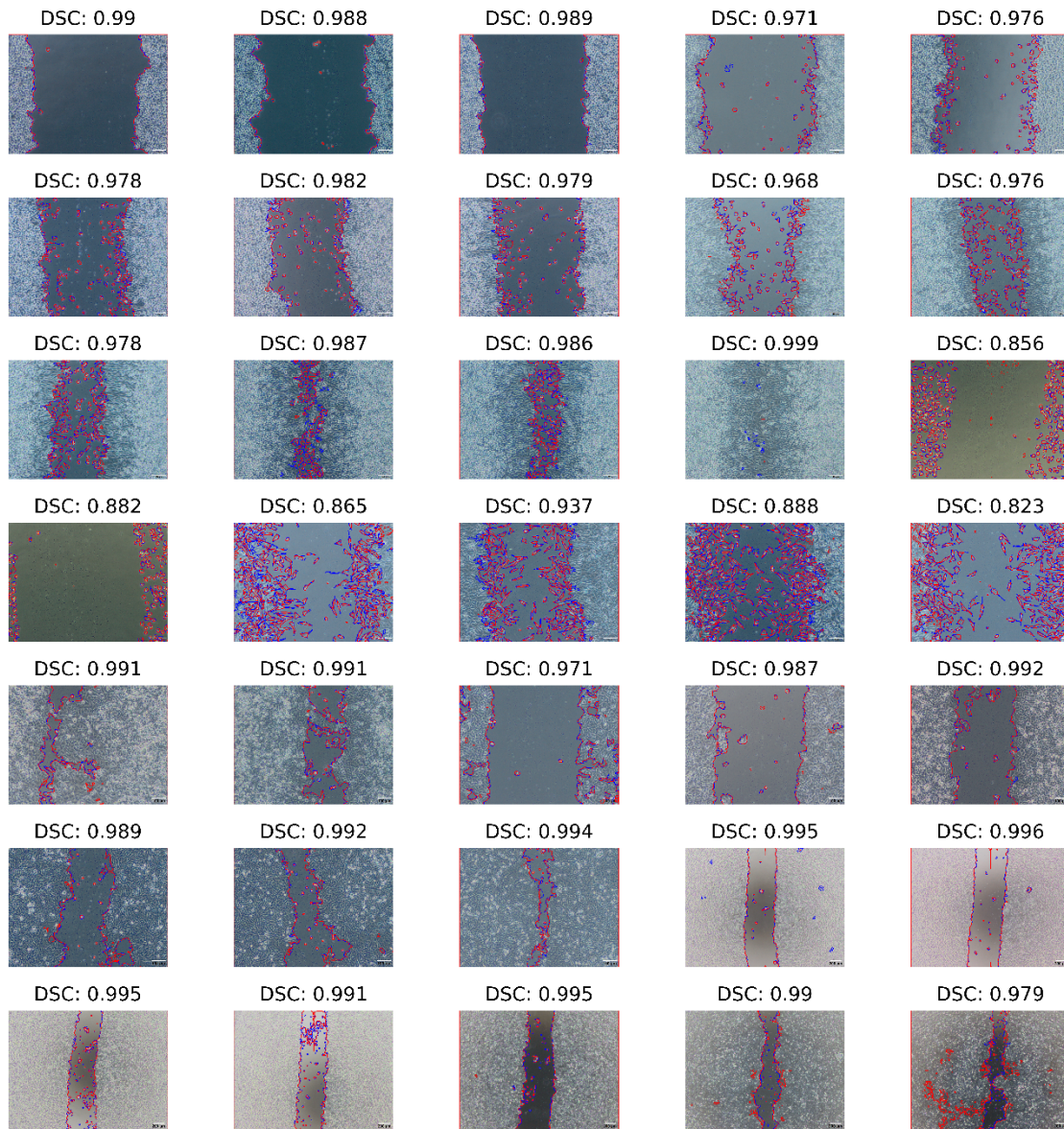
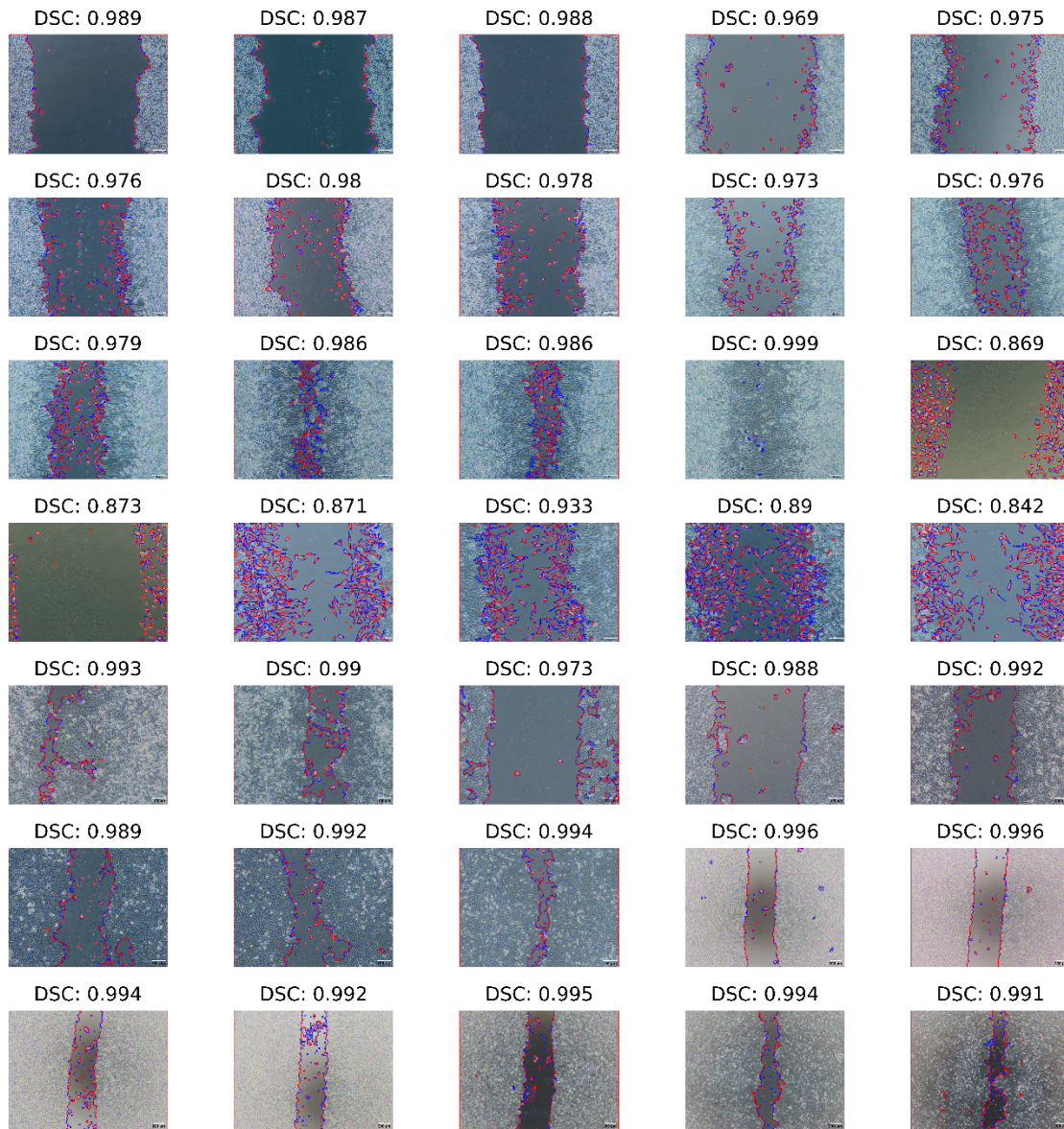


Additional File 3. – Figure A1: Validation phase results for **U-net** model. Each validated image sample showed as in its original form, and the predicted and ground truth labels contours were drawn on the image to observe the edge prediction discrimination. Contour lines were denoted as Red (-) for Predicted and Blue (-) for Ground-Truth (DSC: Dice Similarity Coefficient).



Additional File 3. – Figure A2: Validation phase results for **U-net++** model. Each validated image sample showed as in its original form, and the predicted and ground truth labels contours were drawn on the image to observe the edge prediction discrimination. Contour lines were denoted as Red (-) for Predicted and Blue (-) for Ground-Truth (DSC: Dice Similarity Coefficient).



Additional File 3. – Figure A3: Validation phase results for **Attention U-net** model. Each validated image sample showed as in its original form, and the predicted and ground truth labels contours were drawn on the image to observe the edge prediction discrimination. Contour lines were denoted as Red (-) for Predicted and Blue (-) for Ground-Truth (DSC: Dice Similarity Coefficient).

