**two\_label\_data\_forCNN\_v22**

**---------------------------------------**

原圖切割 擴展框 cropped\_images\_x20\_y40

拿two\_label\_data\_forCNN\_v16

做 高斯高通GH\_d4 -> 再做 自適應AHE\_c8\_t8-8

"F:\Lab\share\YOLO\_segmentation\seg\_0325\_tooth\_data\_v1\_0308\_GRAY\_AHE\_01"

0/1/2

200/44\*3+34\*2/100\*2

"E:\Lab\share\dataset\two\_label\_data\_forCNN\_v22"

224\*224等比例 黑色填充

一張含有 文字, 螢幕擷取畫面, 字型, 數字 的圖片

自動產生的描述

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Result1

**87.04%**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Confusion Matrix | | Actual Values | | |
| apical lesion | peri endo | normal |
| Predicted | apical lesion | 3 | 0 | 2 |
| peri endo | 13 | 19 | 2 |
| normal | 4 | 1 | 16 |
| 準確率 |  | 0.15 | 0.95 | 0.8 |

normal Image: 005\_2.jpg, Predicted Label: normal

normal Image: 006\_3.jpg, Predicted Label: normal

normal Image: 006\_4.jpg, Predicted Label: normal

normal Image: 008\_1.jpg, Predicted Label: normal

normal Image: 008\_2.jpg, Predicted Label: peri endo

normal Image: 011\_1.jpg, Predicted Label: normal

normal Image: 013\_1.jpg, Predicted Label: apical lesion

normal Image: 016\_3.jpg, Predicted Label: normal

normal Image: 018\_2.jpg, Predicted Label: normal

normal Image: 022\_2.jpg, Predicted Label: normal

normal Image: 198\_1.jpg, Predicted Label: peri endo

normal Image: 198\_2.jpg, Predicted Label: normal

normal Image: 199\_1.jpg, Predicted Label: normal

normal Image: 199\_2.jpg, Predicted Label: normal

normal Image: 199\_3.jpg, Predicted Label: normal

normal Image: 200\_3.jpg, Predicted Label: normal

normal Image: 200\_4.jpg, Predicted Label: normal

normal Image: 201\_1.jpg, Predicted Label: apical lesion

normal Image: 201\_2.jpg, Predicted Label: normal

normal Image: 201\_3.jpg, Predicted Label: normal

apical lesion Image: 006\_1.jpg, Predicted Label: peri endo

apical lesion Image: 006\_1.jpg\_flipped\_both.jpg, Predicted Label: apical lesion

apical lesion Image: 010\_2.jpg, Predicted Label: peri endo

apical lesion Image: 010\_2.jpg\_flipped\_both.jpg, Predicted Label: peri endo

apical lesion Image: 024\_1.jpg, Predicted Label: normal

apical lesion Image: 024\_1.jpg\_flipped\_both.jpg, Predicted Label: apical lesion

apical lesion Image: 030\_1.jpg, Predicted Label: peri endo

apical lesion Image: 030\_1.jpg\_flipped\_both.jpg, Predicted Label: peri endo

apical lesion Image: 037\_4.jpg, Predicted Label: peri endo

apical lesion Image: 037\_4.jpg\_flipped\_both.jpg, Predicted Label: peri endo

apical lesion Image: 452\_1.jpg, Predicted Label: peri endo

apical lesion Image: 452\_1.jpg\_flipped\_both.jpg, Predicted Label: apical lesion

apical lesion Image: 453\_2.jpg, Predicted Label: normal

apical lesion Image: 453\_2.jpg\_flipped\_both.jpg, Predicted Label: peri endo

apical lesion Image: 455\_2.jpg, Predicted Label: normal

apical lesion Image: 455\_2.jpg\_flipped\_both.jpg, Predicted Label: normal

apical lesion Image: 474\_2.jpg, Predicted Label: peri endo

apical lesion Image: 474\_2.jpg\_flipped\_both.jpg, Predicted Label: peri endo

apical lesion Image: 492\_3.jpg, Predicted Label: peri endo

apical lesion Image: 492\_3.jpg\_flipped\_both.jpg, Predicted Label: peri endo

peri endo Image: 001\_3.jpg, Predicted Label: peri endo

peri endo Image: 001\_3.jpg\_flipped\_both.jpg, Predicted Label: peri endo

peri endo Image: 002\_2.jpg, Predicted Label: peri endo

peri endo Image: 002\_2.jpg\_flipped\_both.jpg, Predicted Label: peri endo

peri endo Image: 003\_2.jpg, Predicted Label: normal

peri endo Image: 003\_2.jpg\_flipped\_both.jpg, Predicted Label: peri endo

peri endo Image: 004\_3.jpg, Predicted Label: peri endo

peri endo Image: 004\_3.jpg\_flipped\_both.jpg, Predicted Label: peri endo

peri endo Image: 005\_3.jpg, Predicted Label: peri endo

peri endo Image: 005\_3.jpg\_flipped\_both.jpg, Predicted Label: peri endo

peri endo Image: 261\_2.jpg, Predicted Label: peri endo

peri endo Image: 261\_2.jpg\_flipped\_both.jpg, Predicted Label: peri endo

peri endo Image: 264\_3.jpg, Predicted Label: peri endo

peri endo Image: 264\_3.jpg\_flipped\_both.jpg, Predicted Label: peri endo

peri endo Image: 264\_4.jpg, Predicted Label: peri endo

peri endo Image: 264\_4.jpg\_flipped\_both.jpg, Predicted Label: peri endo

peri endo Image: 267\_1.jpg, Predicted Label: peri endo

peri endo Image: 267\_1.jpg\_flipped\_both.jpg, Predicted Label: peri endo

peri endo Image: 268\_2.jpg, Predicted Label: peri endo

peri endo Image: 268\_2.jpg\_flipped\_both.jpg, Predicted Label: peri endo

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Result2

**85.80%**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Confusion Matrix | | Actual Values | | |
| apical lesion | peri endo | normal |
| Predicted | apical lesion | 3 | 1 | 1 |
| peri endo | 14 | 19 | 3 |
| normal | 3 | 0 | 16 |
| 準確率 | 0.63 | 0.15 | 0.95 | 0.8 |

normal Image: 005\_2.jpg, Predicted Label: normal

normal Image: 006\_3.jpg, Predicted Label: normal

normal Image: 006\_4.jpg, Predicted Label: normal

normal Image: 008\_1.jpg, Predicted Label: peri endo

normal Image: 008\_2.jpg, Predicted Label: peri endo

normal Image: 011\_1.jpg, Predicted Label: normal

normal Image: 013\_1.jpg, Predicted Label: peri endo

normal Image: 016\_3.jpg, Predicted Label: normal

normal Image: 018\_2.jpg, Predicted Label: normal

normal Image: 022\_2.jpg, Predicted Label: normal

normal Image: 198\_1.jpg, Predicted Label: normal

normal Image: 198\_2.jpg, Predicted Label: normal

normal Image: 199\_1.jpg, Predicted Label: normal

normal Image: 199\_2.jpg, Predicted Label: normal

normal Image: 199\_3.jpg, Predicted Label: normal

normal Image: 200\_3.jpg, Predicted Label: normal

normal Image: 200\_4.jpg, Predicted Label: normal

normal Image: 201\_1.jpg, Predicted Label: apical lesion

normal Image: 201\_2.jpg, Predicted Label: normal

normal Image: 201\_3.jpg, Predicted Label: normal

apical lesion Image: 006\_1.jpg, Predicted Label: peri endo

apical lesion Image: 006\_1.jpg\_flipped\_both.jpg, Predicted Label: peri endo

apical lesion Image: 010\_2.jpg, Predicted Label: peri endo

apical lesion Image: 010\_2.jpg\_flipped\_both.jpg, Predicted Label: peri endo

apical lesion Image: 024\_1.jpg, Predicted Label: normal

apical lesion Image: 024\_1.jpg\_flipped\_both.jpg, Predicted Label: apical lesion

apical lesion Image: 030\_1.jpg, Predicted Label: peri endo

apical lesion Image: 030\_1.jpg\_flipped\_both.jpg, Predicted Label: peri endo

apical lesion Image: 037\_4.jpg, Predicted Label: peri endo

apical lesion Image: 037\_4.jpg\_flipped\_both.jpg, Predicted Label: peri endo

apical lesion Image: 452\_1.jpg, Predicted Label: apical lesion

apical lesion Image: 452\_1.jpg\_flipped\_both.jpg, Predicted Label: apical lesion

apical lesion Image: 453\_2.jpg, Predicted Label: normal

apical lesion Image: 453\_2.jpg\_flipped\_both.jpg, Predicted Label: peri endo

apical lesion Image: 455\_2.jpg, Predicted Label: normal

apical lesion Image: 455\_2.jpg\_flipped\_both.jpg, Predicted Label: peri endo

apical lesion Image: 474\_2.jpg, Predicted Label: peri endo

apical lesion Image: 474\_2.jpg\_flipped\_both.jpg, Predicted Label: peri endo

apical lesion Image: 492\_3.jpg, Predicted Label: peri endo

apical lesion Image: 492\_3.jpg\_flipped\_both.jpg, Predicted Label: peri endo

peri endo Image: 001\_3.jpg, Predicted Label: peri endo

peri endo Image: 001\_3.jpg\_flipped\_both.jpg, Predicted Label: normal

peri endo Image: 002\_2.jpg, Predicted Label: peri endo

peri endo Image: 002\_2.jpg\_flipped\_both.jpg, Predicted Label: peri endo

peri endo Image: 003\_2.jpg, Predicted Label: peri endo

peri endo Image: 003\_2.jpg\_flipped\_both.jpg, Predicted Label: peri endo

peri endo Image: 004\_3.jpg, Predicted Label: peri endo

peri endo Image: 004\_3.jpg\_flipped\_both.jpg, Predicted Label: peri endo

peri endo Image: 005\_3.jpg, Predicted Label: peri endo

peri endo Image: 005\_3.jpg\_flipped\_both.jpg, Predicted Label: peri endo

peri endo Image: 261\_2.jpg, Predicted Label: peri endo

peri endo Image: 261\_2.jpg\_flipped\_both.jpg, Predicted Label: peri endo

peri endo Image: 264\_3.jpg, Predicted Label: peri endo

peri endo Image: 264\_3.jpg\_flipped\_both.jpg, Predicted Label: peri endo

peri endo Image: 264\_4.jpg, Predicted Label: peri endo

peri endo Image: 264\_4.jpg\_flipped\_both.jpg, Predicted Label: peri endo

peri endo Image: 267\_1.jpg, Predicted Label: peri endo

peri endo Image: 267\_1.jpg\_flipped\_both.jpg, Predicted Label: peri endo

peri endo Image: 268\_2.jpg, Predicted Label: peri endo

peri endo Image: 268\_2.jpg\_flipped\_both.jpg, Predicted Label: peri endo

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Result3

**85.19%**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Confusion Matrix | | Actual Values | | |
| apical lesion | peri endo | normal |
| Predicted | apical lesion | 6 | 0 | 1 |
| peri endo | 11 | 19 | 2 |
| normal | 3 | 1 | 17 |
| 準確率 | 0.7 | 0.3 | 0.95 | 0.85 |

normal Image: 005\_2.jpg, Predicted Label: normal

normal Image: 006\_3.jpg, Predicted Label: normal

normal Image: 006\_4.jpg, Predicted Label: normal

normal Image: 008\_1.jpg, Predicted Label: normal

normal Image: 008\_2.jpg, Predicted Label: peri endo

normal Image: 011\_1.jpg, Predicted Label: normal

normal Image: 013\_1.jpg, Predicted Label: apical lesion

normal Image: 016\_3.jpg, Predicted Label: normal

normal Image: 018\_2.jpg, Predicted Label: normal

normal Image: 022\_2.jpg, Predicted Label: normal

normal Image: 198\_1.jpg, Predicted Label: normal

normal Image: 198\_2.jpg, Predicted Label: normal

normal Image: 199\_1.jpg, Predicted Label: normal

normal Image: 199\_2.jpg, Predicted Label: normal

normal Image: 199\_3.jpg, Predicted Label: normal

normal Image: 200\_3.jpg, Predicted Label: peri endo

normal Image: 200\_4.jpg, Predicted Label: normal

normal Image: 201\_1.jpg, Predicted Label: normal

normal Image: 201\_2.jpg, Predicted Label: normal

normal Image: 201\_3.jpg, Predicted Label: normal

apical lesion Image: 006\_1.jpg, Predicted Label: peri endo

apical lesion Image: 006\_1.jpg\_flipped\_both.jpg, Predicted Label: peri endo

apical lesion Image: 010\_2.jpg, Predicted Label: peri endo

apical lesion Image: 010\_2.jpg\_flipped\_both.jpg, Predicted Label: peri endo

apical lesion Image: 024\_1.jpg, Predicted Label: normal

apical lesion Image: 024\_1.jpg\_flipped\_both.jpg, Predicted Label: apical lesion

apical lesion Image: 030\_1.jpg, Predicted Label: apical lesion

apical lesion Image: 030\_1.jpg\_flipped\_both.jpg, Predicted Label: peri endo

apical lesion Image: 037\_4.jpg, Predicted Label: peri endo

apical lesion Image: 037\_4.jpg\_flipped\_both.jpg, Predicted Label: peri endo

apical lesion Image: 452\_1.jpg, Predicted Label: apical lesion

apical lesion Image: 452\_1.jpg\_flipped\_both.jpg, Predicted Label: apical lesion

apical lesion Image: 453\_2.jpg, Predicted Label: apical lesion

apical lesion Image: 453\_2.jpg\_flipped\_both.jpg, Predicted Label: apical lesion

apical lesion Image: 455\_2.jpg, Predicted Label: normal

apical lesion Image: 455\_2.jpg\_flipped\_both.jpg, Predicted Label: normal

apical lesion Image: 474\_2.jpg, Predicted Label: peri endo

apical lesion Image: 474\_2.jpg\_flipped\_both.jpg, Predicted Label: peri endo

apical lesion Image: 492\_3.jpg, Predicted Label: peri endo

apical lesion Image: 492\_3.jpg\_flipped\_both.jpg, Predicted Label: peri endo

peri endo Image: 001\_3.jpg, Predicted Label: peri endo

peri endo Image: 001\_3.jpg\_flipped\_both.jpg, Predicted Label: normal

peri endo Image: 002\_2.jpg, Predicted Label: peri endo

peri endo Image: 002\_2.jpg\_flipped\_both.jpg, Predicted Label: peri endo

peri endo Image: 003\_2.jpg, Predicted Label: peri endo

peri endo Image: 003\_2.jpg\_flipped\_both.jpg, Predicted Label: peri endo

peri endo Image: 004\_3.jpg, Predicted Label: peri endo

peri endo Image: 004\_3.jpg\_flipped\_both.jpg, Predicted Label: peri endo

peri endo Image: 005\_3.jpg, Predicted Label: peri endo

peri endo Image: 005\_3.jpg\_flipped\_both.jpg, Predicted Label: peri endo

peri endo Image: 261\_2.jpg, Predicted Label: peri endo

peri endo Image: 261\_2.jpg\_flipped\_both.jpg, Predicted Label: peri endo

peri endo Image: 264\_3.jpg, Predicted Label: peri endo

peri endo Image: 264\_3.jpg\_flipped\_both.jpg, Predicted Label: peri endo

peri endo Image: 264\_4.jpg, Predicted Label: peri endo

peri endo Image: 264\_4.jpg\_flipped\_both.jpg, Predicted Label: peri endo

peri endo Image: 267\_1.jpg, Predicted Label: peri endo

peri endo Image: 267\_1.jpg\_flipped\_both.jpg, Predicted Label: peri endo

peri endo Image: 268\_2.jpg, Predicted Label: peri endo

peri endo Image: 268\_2.jpg\_flipped\_both.jpg, Predicted Label: peri endo