Rete: Resnet18.

Dataset: ORIGA-light (168 glaucoma / 480 normali)

Split: 0.8 training / 0.2 validation (640 elementi)

Augmentation: Null

Options:

```
miniBatchSize = 10;
valFrequency = floor(numel(augimdsTrain.Files)/miniBatchSize);
options = trainingOptions('sgdm', ...
    'MiniBatchSize',miniBatchSize, ...
    'MaxEpochs',9, ...
    'InitialLearnRate',0.001, ...
    'Shuffle','every-epoch', ...
    'ValidationData',testAug, ...
    'ValidationFrequency',valFrequency, ...
    'Verbose',false, ...
    'Plots','training-progress');
```

Accuracy: 0.7813

Test:

Glaucoma

Im0643_g_ORIGA	0.0013	0.9987
Im0644_g_ORIGA	0.5145	0.4855 T
Im0645_g_ORIGA	0.8328	0.1672 T
Im0646_g_ORIGA	0.9370	0.0630 T
Im0647_g_ORIGA	0.1806	0.8194

Normali

Im0478_ORIGA	0.0458	0.9542 T
Im0479_ORIGA	0.1546	0.8454 T
Im0480_ORIGA	0.5603	0.4397
Im0481_ORIGA	0.2263	0.7737 T
Im0482_ORIGA	0.0000	1.0000 T

Rete: Resnet18.

Dataset: ORIGA-light (168 glaucoma / 480 normali)

Split: 0.8 training / 0.2 validation (640 elementi)

Augmentation:

```
pixelRange = [-22 22];
scaleRange = [0.9 1.1];
angleRange = [-10 10];
imageAugmenter = imageDataAugmenter( ...
    'RandXTranslation',pixelRange, ...
    'RandYTranslation',pixelRange, ...
    'RandXScale',scaleRange, ...
    'RandYScale',scaleRange, ...
```

```
    'RandRotation', angleRange);
```

Options:

```
miniBatchSize = 10;
miniBatchSize = 9;
valFrequency = floor(numel(augimdsTrain.Files)/miniBatchSize);
options = trainingOptions('sgdm', ...
    'MiniBatchSize',miniBatchSize, ...
    'MaxEpochs',12, ...
    'InitialLearnRate',0.001, ...
    'L2Regularization', 0.0005,...
    'Shuffle','every-epoch', ...
    'ValidationData',testAug, ...
    'ValidationFrequency',valFrequency, ...
    'Verbose',false, ...
    'Plots','training-progress');
```

Accuracy: 0.7734

Test:

Glaucoma
Im0643_g_ORIGA 0.3055 0.6945
Im0644_g_ORIGA 0.3175 0.6825
Im0645_g_ORIGA 0.5141 0.4859 T
Im0646_g_ORIGA 0.1274 0.8726
Im0647_g_ORIGA 0.3561 0.6439

Normali
Im0478_ORIGA 0.3973 0.6027 T
Im0479_ORIGA 0.0699 0.9301 T
Im0480_ORIGA 0.4574 0.5426 T
Im0481_ORIGA 0.3458 0.6542T
Im0482_ORIGA 0.2026 0.7974 T

Rete: Resnet18.

Dataset: ORIGA-light (168 glaucoma / 480 normali)

Split: 0.8 training / 0.2 validation (640 elementi)

Augmentation:

```
pixelRange = [-22 22];
scaleRange = [0.9 1.1];
angleRange = [-10 10];
imageAugmenter = imageDataAugmenter( ...
    'RandXTranslation',pixelRange, ...
    'RandYTranslation',pixelRange, ...
    'RandXScale',scaleRange, ...
    'RandYScale',scaleRange, ...
    'RandRotation', angleRange);
```

Options:

```
miniBatchSize = 9;
valFrequency = floor(numel(augimdsTrain.Files)/miniBatchSize);
options = trainingOptions('sgdm', ...
    'MiniBatchSize',miniBatchSize, ...
    'MaxEpochs',12, ...
    'InitialLearnRate',0.0001, ...
    'L2Regularization', 0.0005,...
    'Shuffle','every-epoch', ...
    'ValidationData',testAug, ...
    'ValidationFrequency',valFrequency, ...
    'Verbose',false, ...
    'Plots','training-progress');
    'Plots','training-progress');
```

Accuracy: 0.7578

Test:

Glaucoma

Im0643_g_ORIGA 0.0069 0.9931
Im0644_g_ORIGA 0.0245 0.9755
Im0645_g_ORIGA 0.3654 0.6346
Im0646_g_ORIGA 0.1020 0.8980
Im0647_g_ORIGA 0.0289 0.9711

Normali

Im0478_ORIGA 0.3197 0.6803 T
Im0479_ORIGA 0.0003 0.9997 T
Im0480_ORIGA 0.0067 0.9933 T
Im0481_ORIGA 0.4560 0.5440 T
Im0482_ORIGA 0.0041 0.9959 T
