04/05/2020

Rete: Alexnet.

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

Split: 0.8 training / 0.2 validation (640 elementi)

Augmentation: Null

Options:
```
'MiniBatchSize',10 , ...
'MaxEpochs',6, ...
'InitialLearnRate',3e-4, ...
'Shuffle','every-epoch', ...
'ValidationData',testAug, ...
'ValidationFrequency',*valFrequency, ...
'Verbose',false, ...
'Plots','training-progress'
```

```
*valFrequency = floor(numel(augimdsTrain.Files)/miniBatchSize);
```

Accuracy: 0.7422
Test:
Glaucoma
Im0643_g_ORIGA 0.3288   0.6712
Im0644_g_ORIGA 0.2600   0.7400
Im0645_g_ORIGA 0.5005   0.4995 T
Im0646_g_ORIGA 0.3914   0.6086
Im0647_g_ORIGA 0.3446   0.6554

Normali
Im0478_ORIGA 0.3470   0.6530 T
Im0479_ORIGA 0.1546   0.8454 T
Im0480_ORIGA 0.3716   0.6284 T
Im0481_ORIGA 0.3624   0.6376 T
Im0482_ORIGA 0.0669   0.9331 T

Rete: Alexnet.

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

Split: 0.8 training / 0.2 validation (640 elementi)

Augmentation:

```
 pixelRange = [-30 30];
 scaleRange = [0.9 1.1];
imageAugmenter = imageDataAugmenter( ...
'RandXReflection',true, ...
'RandXTranslation',pixelRange, ...
'RandYTranslation',pixelRange, ...
'RandXScale',scaleRange, ...
'RandYScale',scaleRange);
```

Options:

```
'MiniBatchSize',10 , ...
'MaxEpochs',6, ...
'InitialLearnRate',3e-4, ...
'Shuffle','every-epoch', ...
'ValidationData',testAug, ...
'ValidationFrequency',*valFrequency, ...
'Verbose',false, ...
'Plots','training-progress'
```

Accuracy: 0.7422
Test:
Glaucoma
Im0643_g_ORIGA 0.2581   0.7419
Im0644_g_ORIGA 0.2884   0.7116
Im0645_g_ORIGA 0.3024   0.6976
Im0646_g_ORIGA 0.2428   0.7572
Im0647_g_ORIGA 0.3122   0.6878

Normali
Im0478_ORIGA 0.4093   0.5907 T
Im0479_ORIGA 0.2970   0.7030T
Im0480_ORIGA 0.2154   0.7846 T
Im0481_ORIGA 0.3417   0.6583 T
Im0482_ORIGA 0.3146   0.6854 T

Note:

- Link   dataset   -