**CN vs MCIc – X axis**

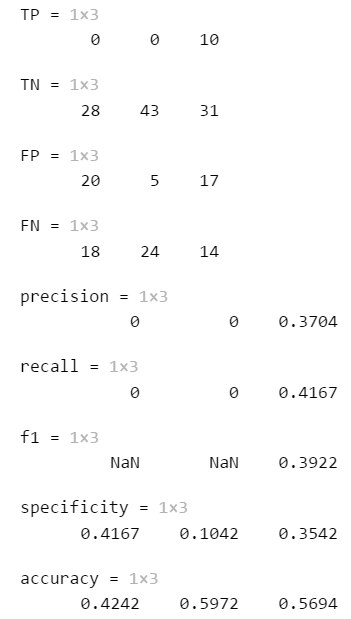
**Approach 1**

**Network:**

Transfer learning from AlexNet changing last 3 layers.

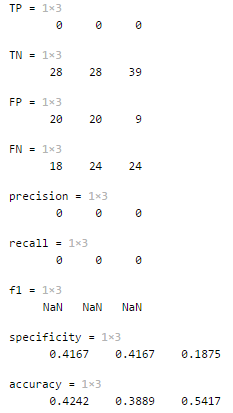
|  |  |
| --- | --- |
| **Training parameters:**   * folds=3; * miniBatchSize = 30; * learningRate = 1e-4; * maxEpochs=10; * optimizer='sgdm'; | **Dataset:**   * nSlices=6; * gap=2; |

**Results:**



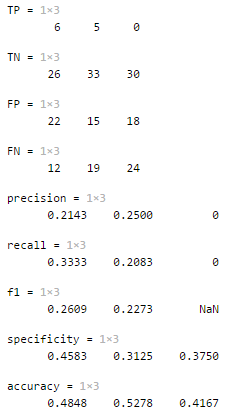
Approach 2 (primo test su pc di Luca con parametric uguali a quelli di Stefano)

|  |  |
| --- | --- |
| **Training parameters:**   * folds=3; * miniBatchSize = 30; * learningRate = 1e-4; * maxEpochs=10; * optimizer='sgdm'; | **Dataset:**   * nSlices=6; * gap=2; |



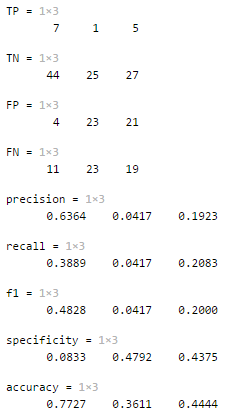
Approach 3 2019\_03\_31\_19\_21

|  |  |
| --- | --- |
| **Training parameters:**   * folds=3; * miniBatchSize = 64; * learningRate = 1e-4; * maxEpochs=10; * optimizer='sgdm'; | **Dataset:**   * nSlices=6; * gap=2; |



Approach 4 2019\_03\_31\_19\_44

|  |  |
| --- | --- |
| **Training parameters:**   * folds=3; * miniBatchSize = 64; * learningRate = 1e-4; * maxEpochs=15; * optimizer='sgdm'; | **Dataset:**   * nSlices=6; * gap=2; |



Approach 5

|  |  |
| --- | --- |
| folds=3;  miniBatchSize = 16;  learningRate = 1e-5;  maxEpochs=40;  optimizer='sgdm';  options=trainingOptions(optimizer,...  "MiniBatchSize",miniBatchSize,...  "InitialLearnRate",learningRate,...  'MaxEpochs',maxEpochs,...  'Shuffle','every-epoch',...  "Verbose",false,...  "L2Regularization", 0.0001,...  "Momentum", 0.889,...  "Plots","training-progress"); | **Dataset:**   * nSlices=6; * gap=2; |

