**CN vs MCIc – Y axis**

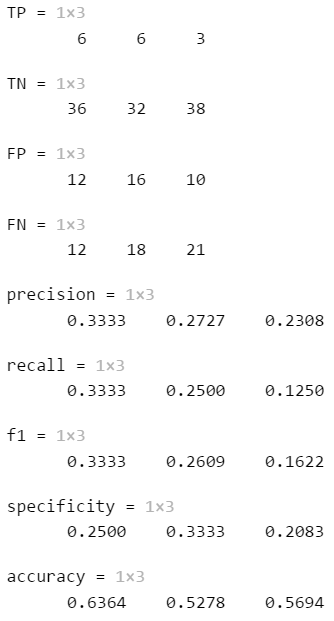
**Approach 1**

**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:**



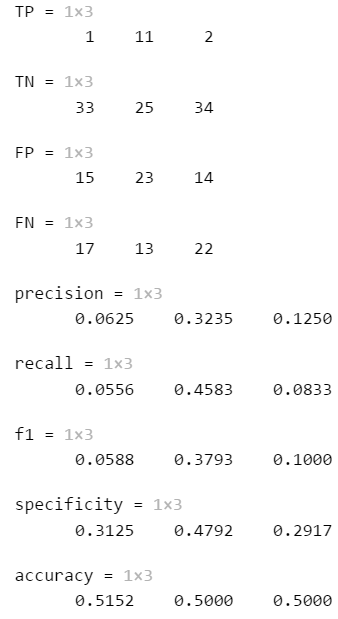
**Approach 2**

**Network:**

Transfer learning from AlexNet changing last 3 layers.

|  |  |
| --- | --- |
| **Training parameters:**   * folds=3; * miniBatchSize = 30; * learningRate = 1e-4; * maxEpochs=10; * optimizer='sgdm'; * 'Momentum',0.95 | **Dataset:**   * nSlices=6; * gap=2; |

**Results:**



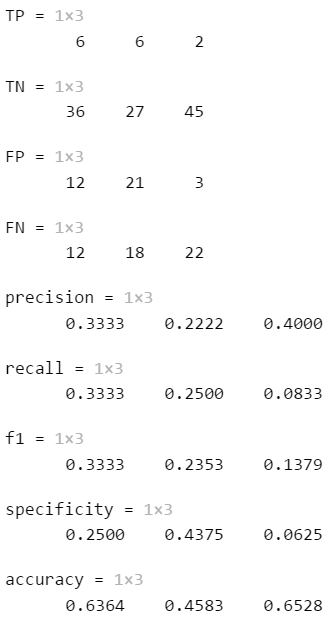
**Approach 3 - 2019\_04\_01\_10\_53**

**Network:**

Transfer learning from AlexNet changing last 3 layers.

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

**Results:**



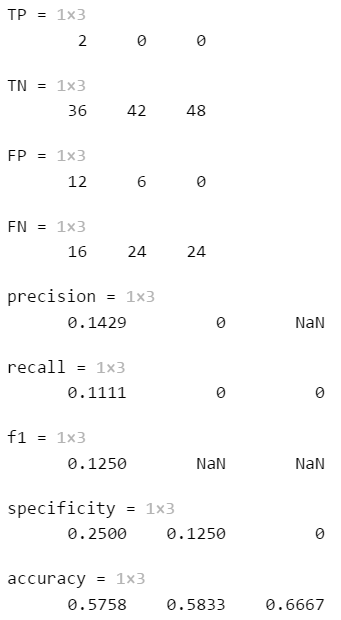
**Approach 4 - 2019\_04\_01\_11\_15**

**Network:**

Transfer learning from AlexNet changing last 3 layers.

|  |  |
| --- | --- |
| **Training parameters:**   * folds=3; * miniBatchSize = 64; * learningRate = 1e-4; * maxEpochs=10; * optimizer='sgdm'; * 'Momentum',0.5 | **Dataset:**   * nSlices=6; * gap=2; |

**Results:**



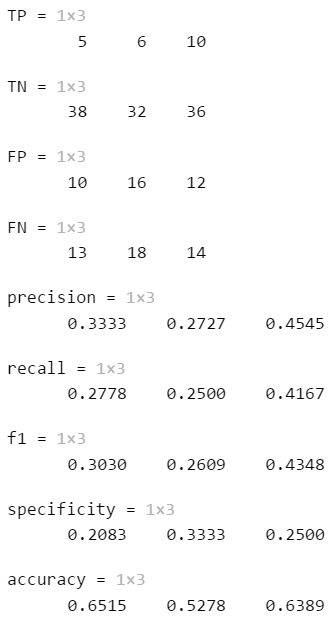
**Approach 5 - 2019\_04\_01\_11\_44**

**Network:**

Transfer learning from AlexNet changing last 3 layers.

|  |  |
| --- | --- |
| **Training parameters:**   * folds=3; * miniBatchSize = 64; * learningRate = 1e-4; * maxEpochs=10; * optimizer='sgdm'; * "L2Regularization",1e-04,... | **Dataset:**   * nSlices=6; * gap=2; |

**Results:**



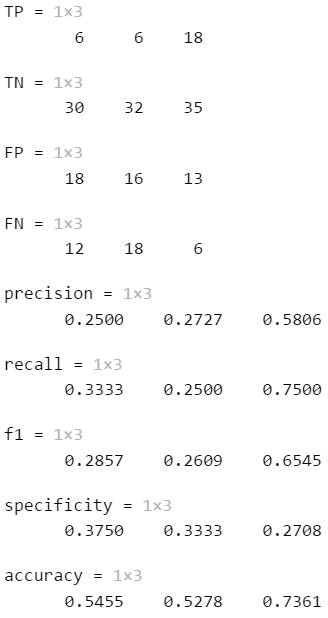
**Approach 6 - 2019\_04\_01\_12\_05**

**Network:**

Transfer learning from AlexNet changing last 3 layers.

|  |  |
| --- | --- |
| **Training parameters:**   * folds=3; * miniBatchSize = 64; * learningRate = 1e-4; * maxEpochs=20; * optimizer='sgdm'; * "L2Regularization",1e-04,... | **Dataset:**   * nSlices=6; * gap=2; |

**Results:**



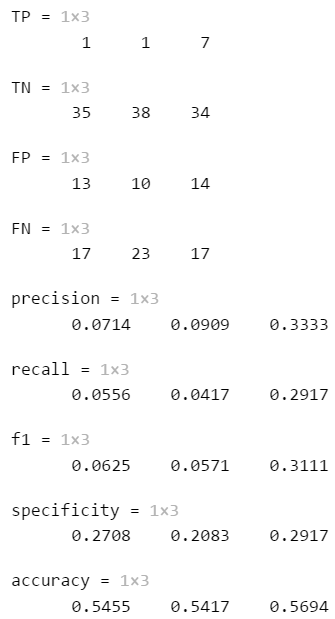
**Approach 7 - 2019\_04\_02\_10\_23**

**Network:**

Transfer learning from AlexNet changing last 3 layers.

|  |  |
| --- | --- |
| **Training parameters:**   * folds=3; * miniBatchSize = 64; * learningRate = 1e-3; * maxEpochs=20; * optimizer='sgdm'; * "L2Regularization",1e-04,... | **Dataset:**   * nSlices=6; * gap=2; |

**Results:**



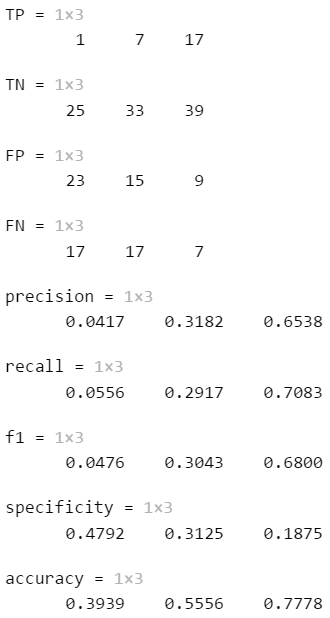
**Approach 8 - 2019\_04\_02\_11\_24**

**Network:**

Transfer learning from AlexNet changing last 3 layers.

|  |  |
| --- | --- |
| **Training parameters:**   * folds=3; * miniBatchSize = 32; * learningRate = 1e-3; * maxEpochs=20; * optimizer='sgdm'; * "L2Regularization",1e-03,... * "Momentum",0.9 | **Dataset:**   * nSlices=6; * gap=2; |

**Results:**



AvarageAccuracy = 0.5758

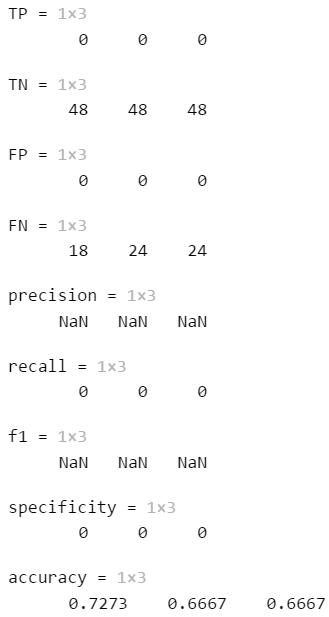
**Approach 9 - 2019\_04\_02\_11\_59**

**Network:**

Transfer learning from AlexNet changing last 3 layers.

|  |  |
| --- | --- |
| **Training parameters:**   * folds=3; * miniBatchSize = 32; * learningRate = 1e-3; * maxEpochs=20; * optimizer='sgdm'; * "L2Regularization",1e-03,... * "Momentum",0.99 | **Dataset:**   * nSlices=6; * gap=2; |

**Results:**



AvarageAccuracy = 0.6869 But all TP =0

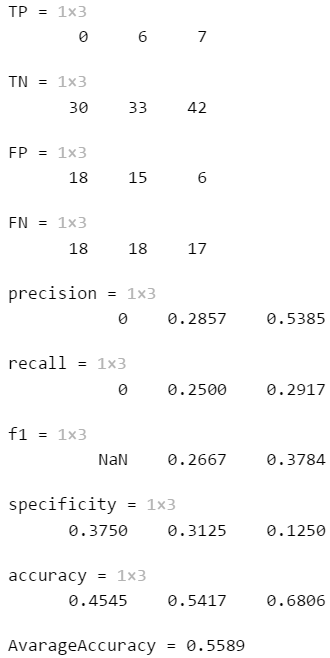
**Approach 10 - 2019\_04\_02\_16\_03**

**Network:**

Transfer learning from AlexNet changing last 3 layers.

|  |  |
| --- | --- |
| **Training parameters:**   * folds=3; * miniBatchSize = 32; * learningRate = 1e-3; * maxEpochs=30; * optimizer='sgdm'; * "L2Regularization",1e-03,... * "Momentum",0.89 | **Dataset:**   * nSlices=6; * gap=2; |

**Results:**



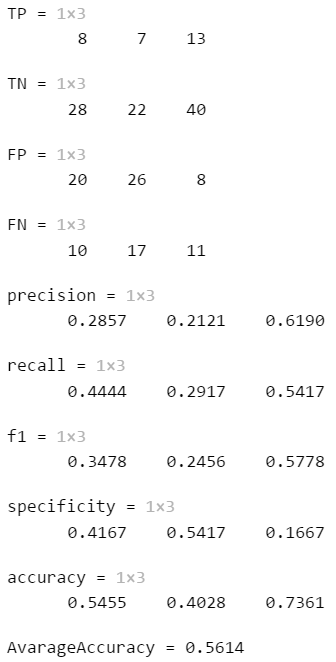
**Approach 10 - 2019\_04\_02\_16\_44**

**Network:**

Transfer learning from AlexNet changing last 3 layers.

|  |  |
| --- | --- |
| **Training parameters:**   * folds=3; * miniBatchSize = 32; * learningRate = 1e-4; * maxEpochs=20; * optimizer='sgdm'; * "L2Regularization",1e-03,... * "Momentum",0.89 | **Dataset:**   * nSlices=6; * gap=2; |

**Results:**



**Approach 11 -**

**Network:**

Transfer learning from AlexNet changing last 3 layers.

|  |  |
| --- | --- |
| **Training parameters:**   * folds=3; * miniBatchSize = 16; * learningRate = 1e-5; * maxEpochs=50; * optimizer='sgdm'; * "L2Regularization",1e-03,... * "Momentum",0.889 | **Dataset:**   * nSlices=6; * gap=2; |

**Results:**