Diagnostic Class: Structural. Outcome Variable: T2_poorCGI. N: 1821. Partition Ratio: 0.7. Training N: 1275. Evaluation N: 546. Model Type: deepFeedForwardLeakyReLU. N Features: 33. N Input Units: 104. N Layers: 3. N Units in each Layer[104, 20, 20, 20, 1]. N Epochs: 7000. Time Taken to Train: 2 min(s) 20 sec(s). Binary Accuracy: 0.6794871794871795. Binary AUROC: 0.654768031189838. Binary R2: -0.4900584795321636. Binary Precision: 0.768817204301075. Binary Recall: 0.7626666666666667. Binary Sensitivity: 0.7626666666666667. Binary Specificity: 0.49707602339181284. Binary Optimal Operating Point: 0.5650937. Feature Set: ['T0_HADSQ2', 'T0_HADSQ6', 'T0_HADSQ7', 'T0_HADSQ8', 'T0_HADSQ12', 'T0_HADSQ14', 'T0_Paralysisorweakness', 'T0_BackPain', 'T0_Paininarmslegsjoints', 'T0_Lackofcoordination', 'T0_MemorConcentration', 'T0_LossofSensation', 'T0_ShortnessofBreath', 'T0_Constipation', 'T0_NauseaorGas', 'T0_Sleeping', 'T0_Feelingdownorhopeless', 'T0_SF12Q1', 'T0_SF12Q2', 'T0_SF12Q3', 'T0_SF12Q4', 'T0_SF12Q5', 'T0_SF12Q7', 'T0_SF12Q8', 'T0_SF12Q9', 'T0_SF12Q10', 'T0_SF12Q11', 'T0_IPQ1', 'T0_Wserious', 'T0_Wpain', 'T0_Wsymptoms', 'T0_Inemployment', 'T0_IncapacityBenefitorDLA']

Test Accuracy

Max = 0.73

Test binary_crossentropy

Min = 0.55

Evaluation Accuracy

Max = 0.72

Evaluation binary_crossentropy

Min = 0.58

Histogram of NN Eval Outputs

ROC of NN Eval Scores

AUC: 0.65

Confusion matrix:

	B or MB	MW, W or NC
B or MB	85	86
MW, W or NC	89	286