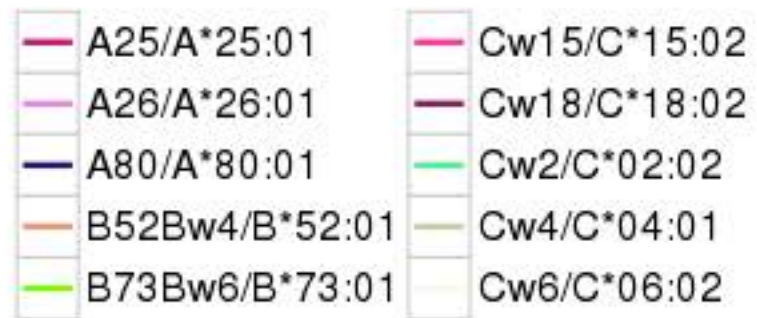
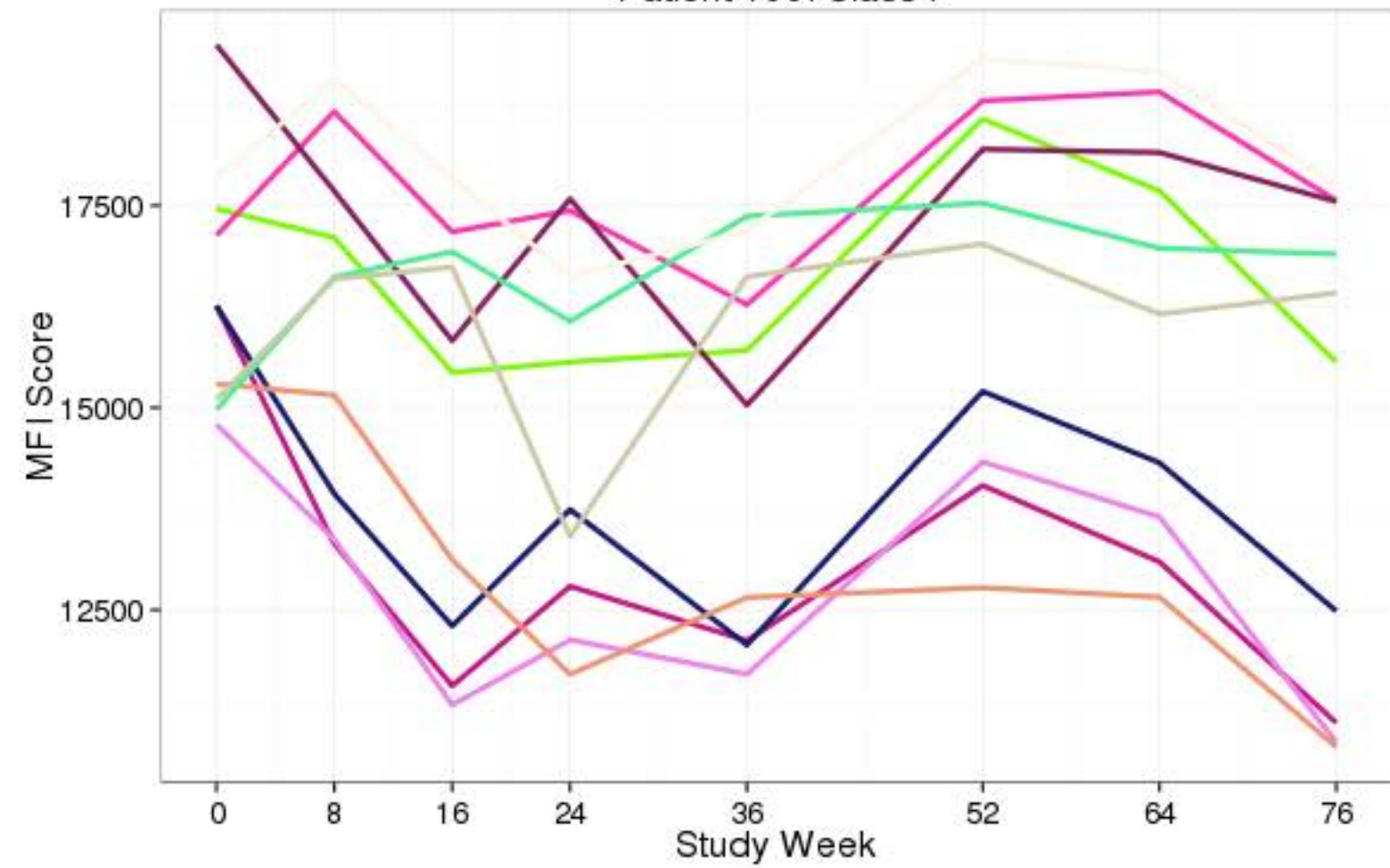


Patient 100: Class I



Patient 102: Class I

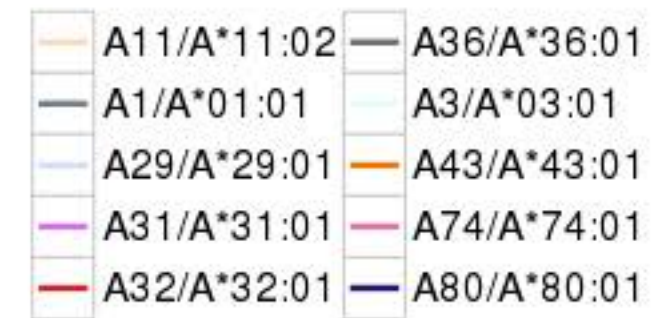
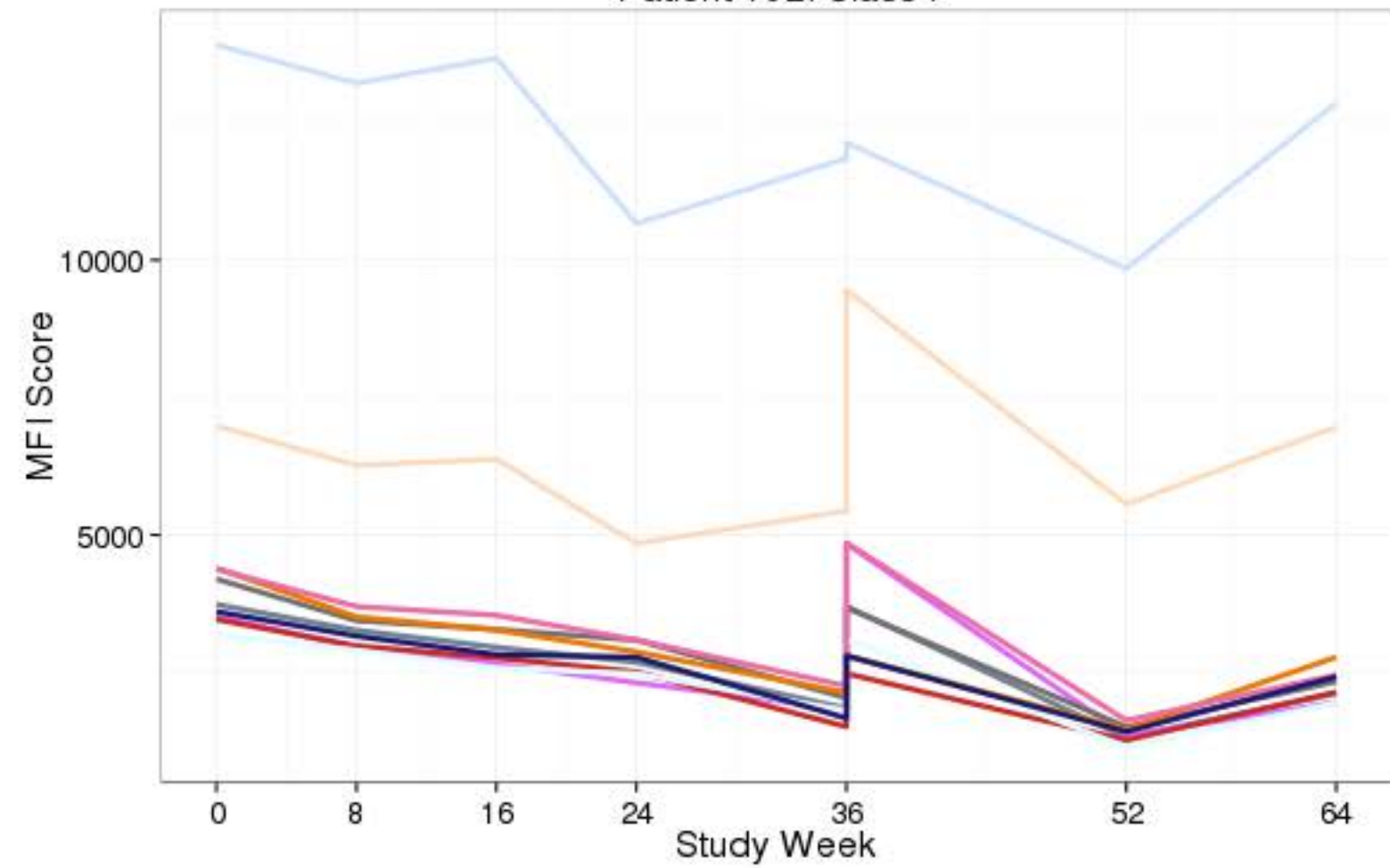
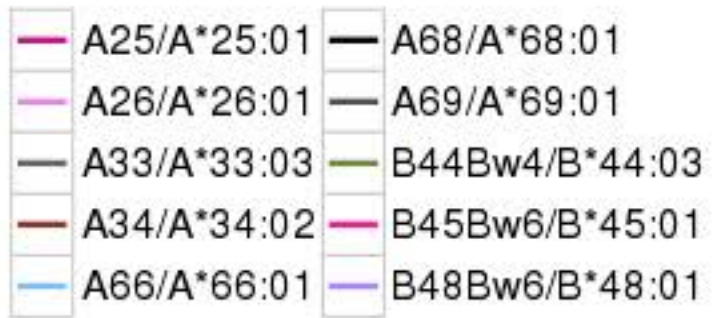
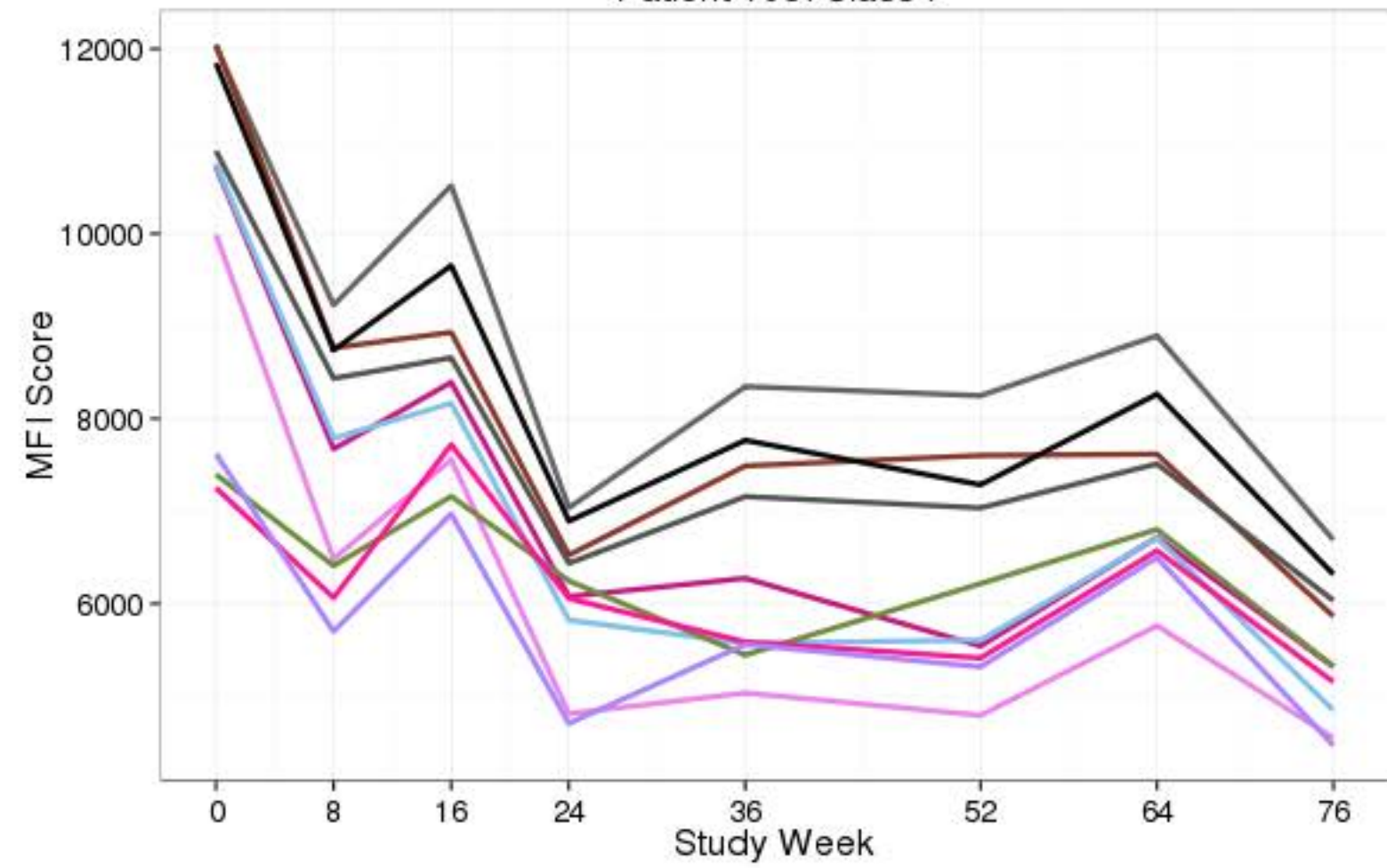
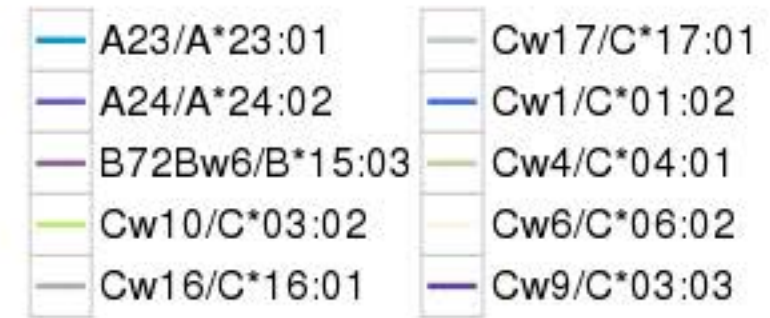
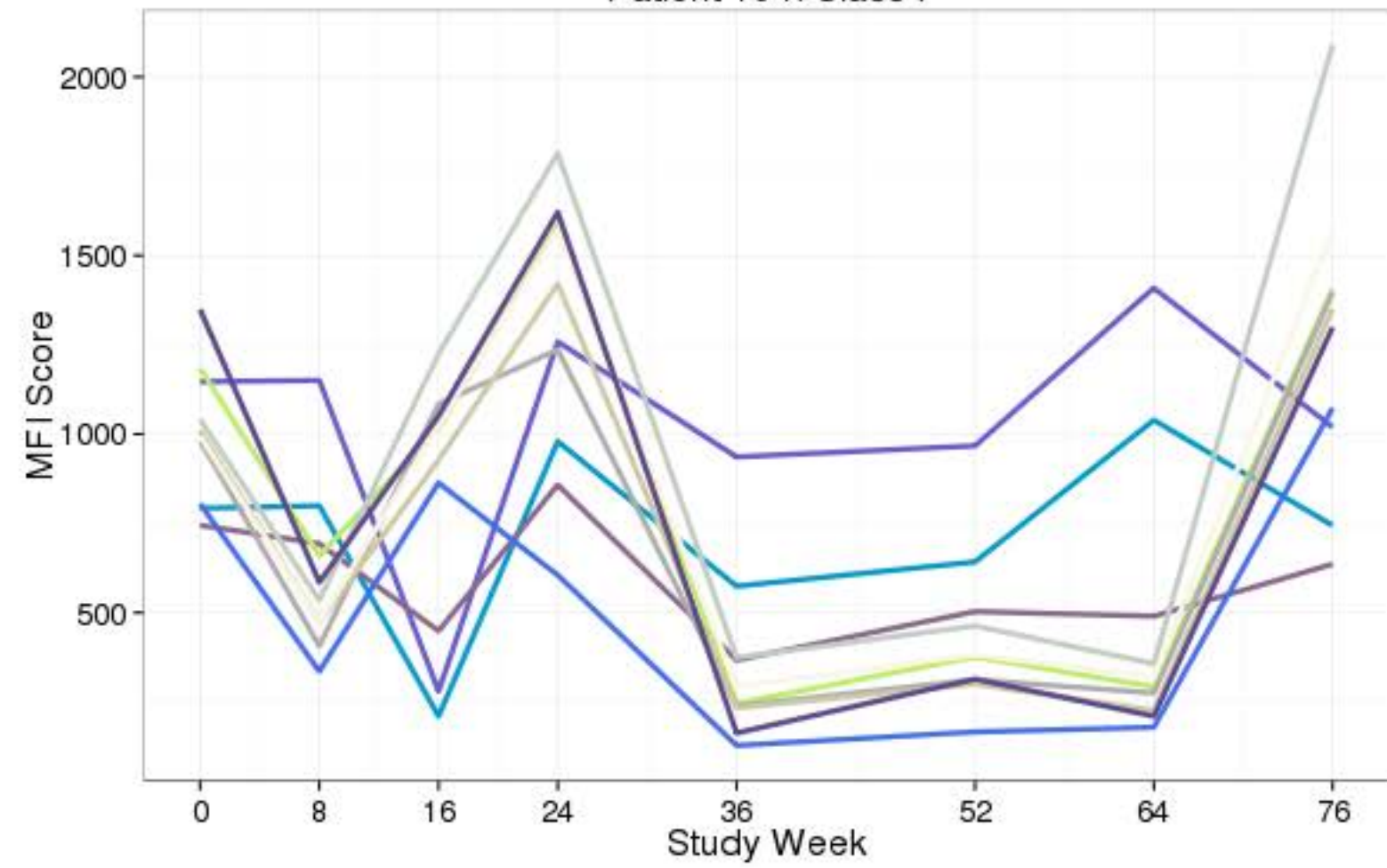


Figure S1: Individual Patient Class I Alloreactivity over 76 weeks following 24 weeks of tabalumab Treatment and up to 52 additional weeks of Follow-up

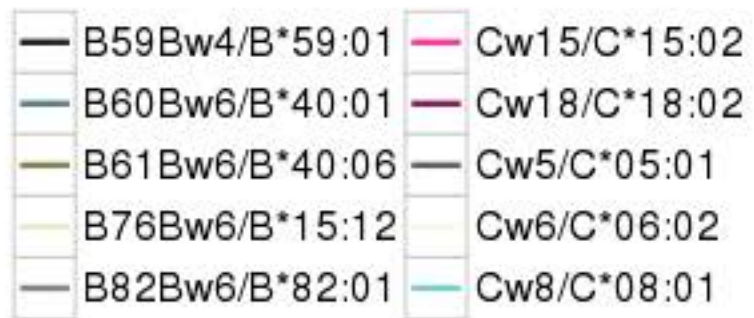
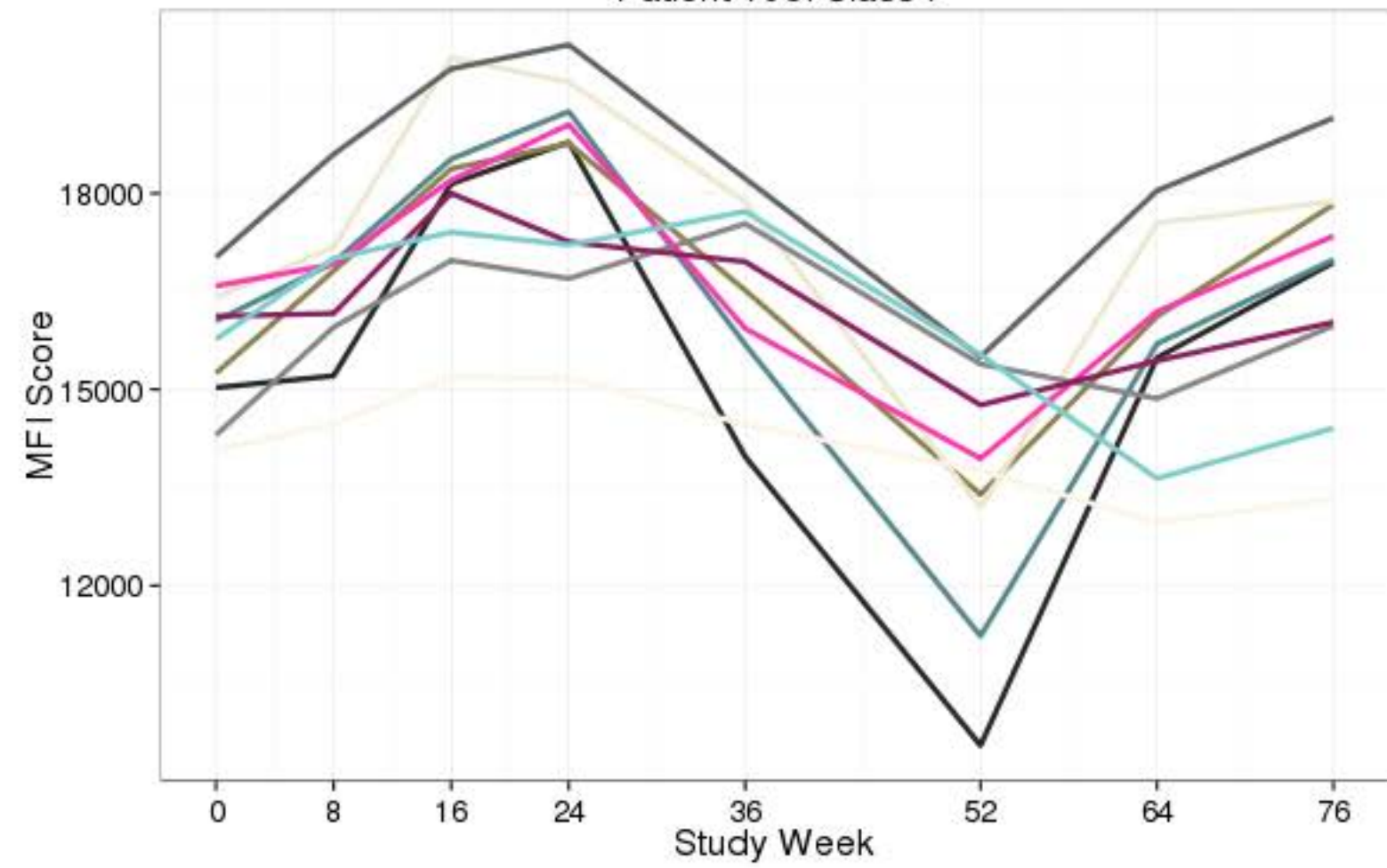
Patient 103: Class I



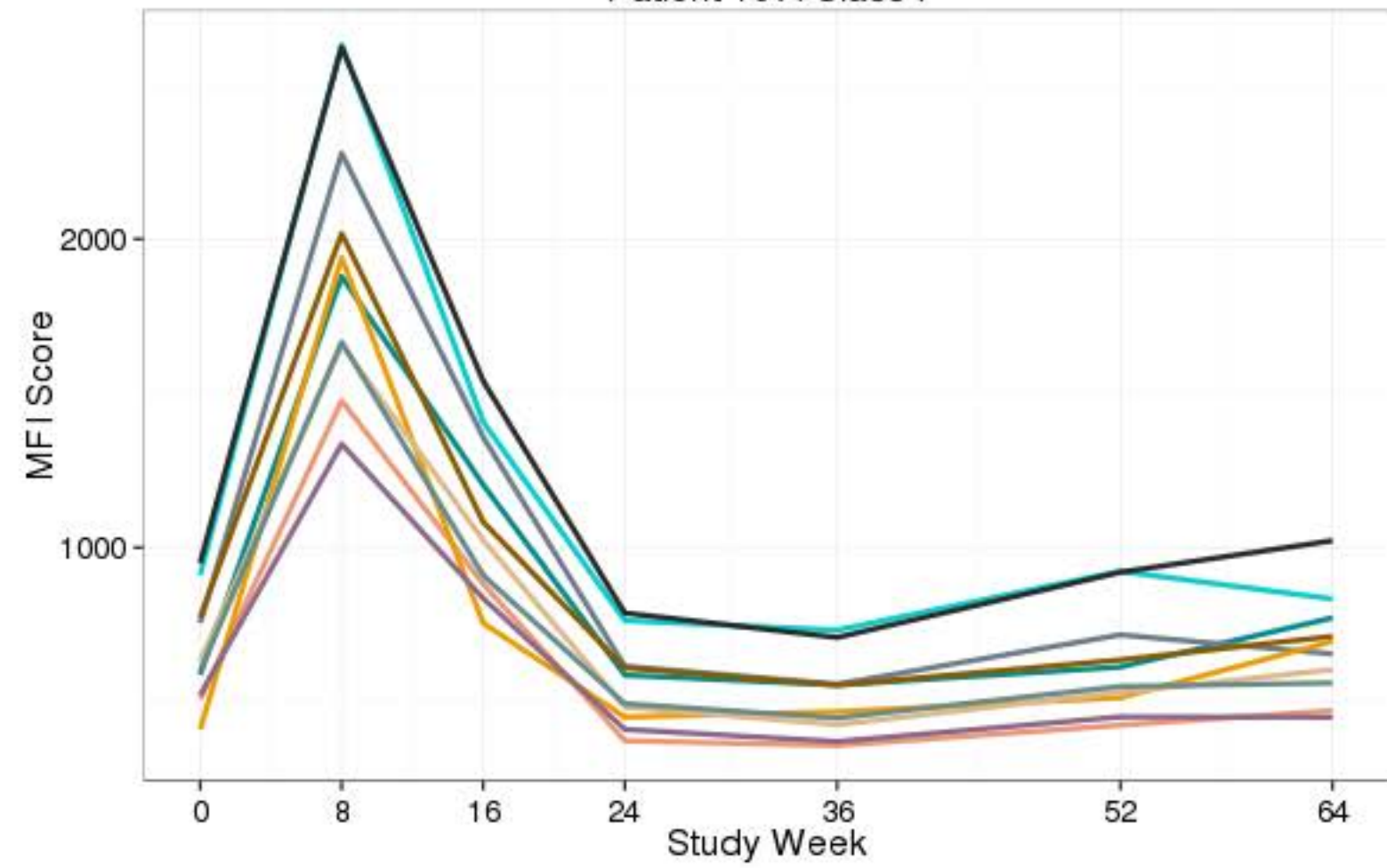
Patient 104: Class I



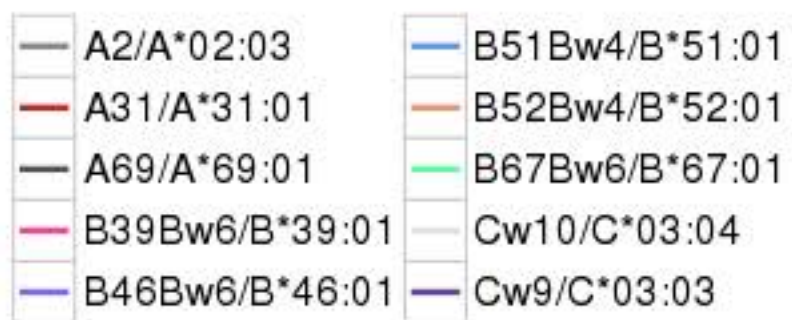
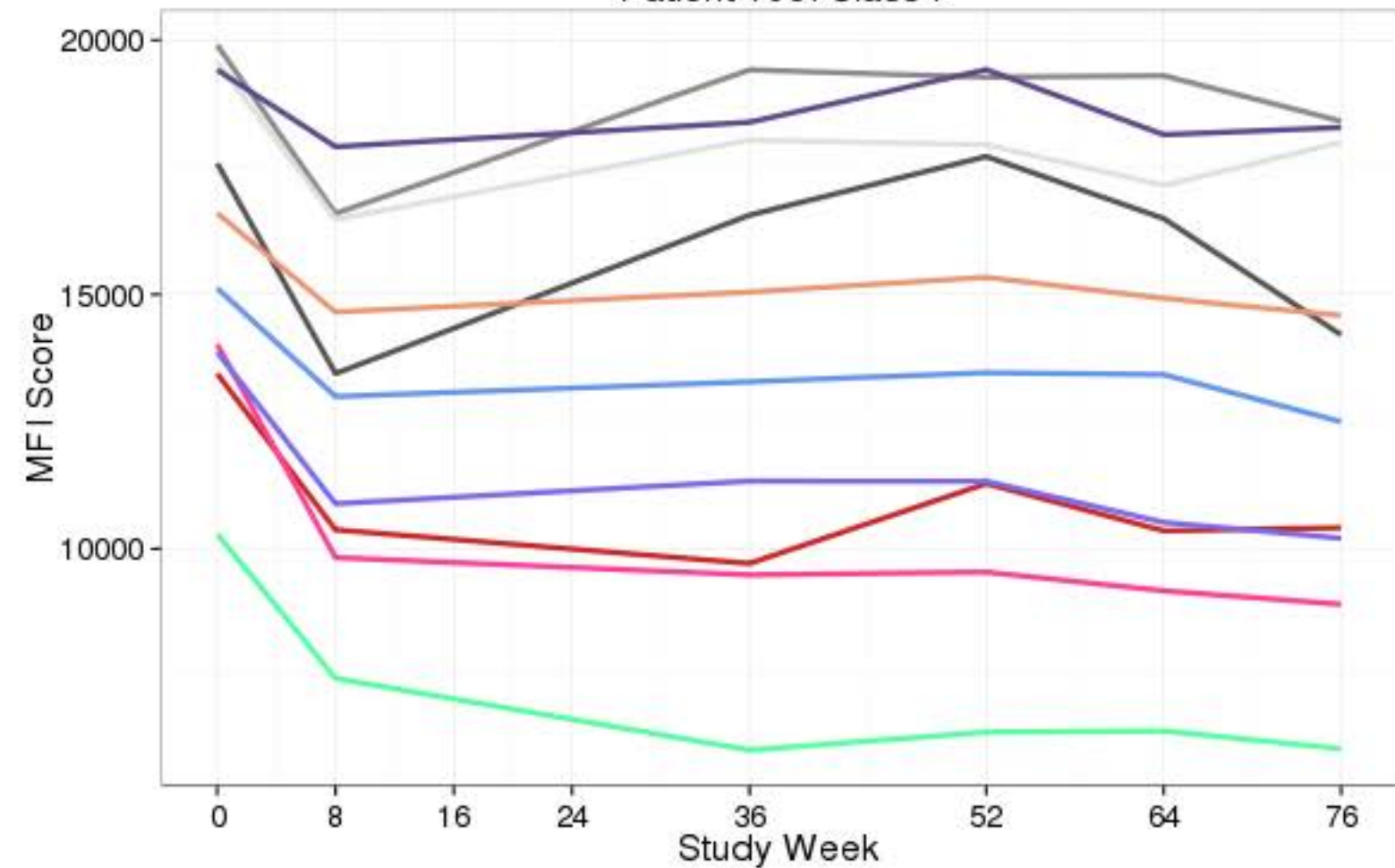
Patient 105: Class I



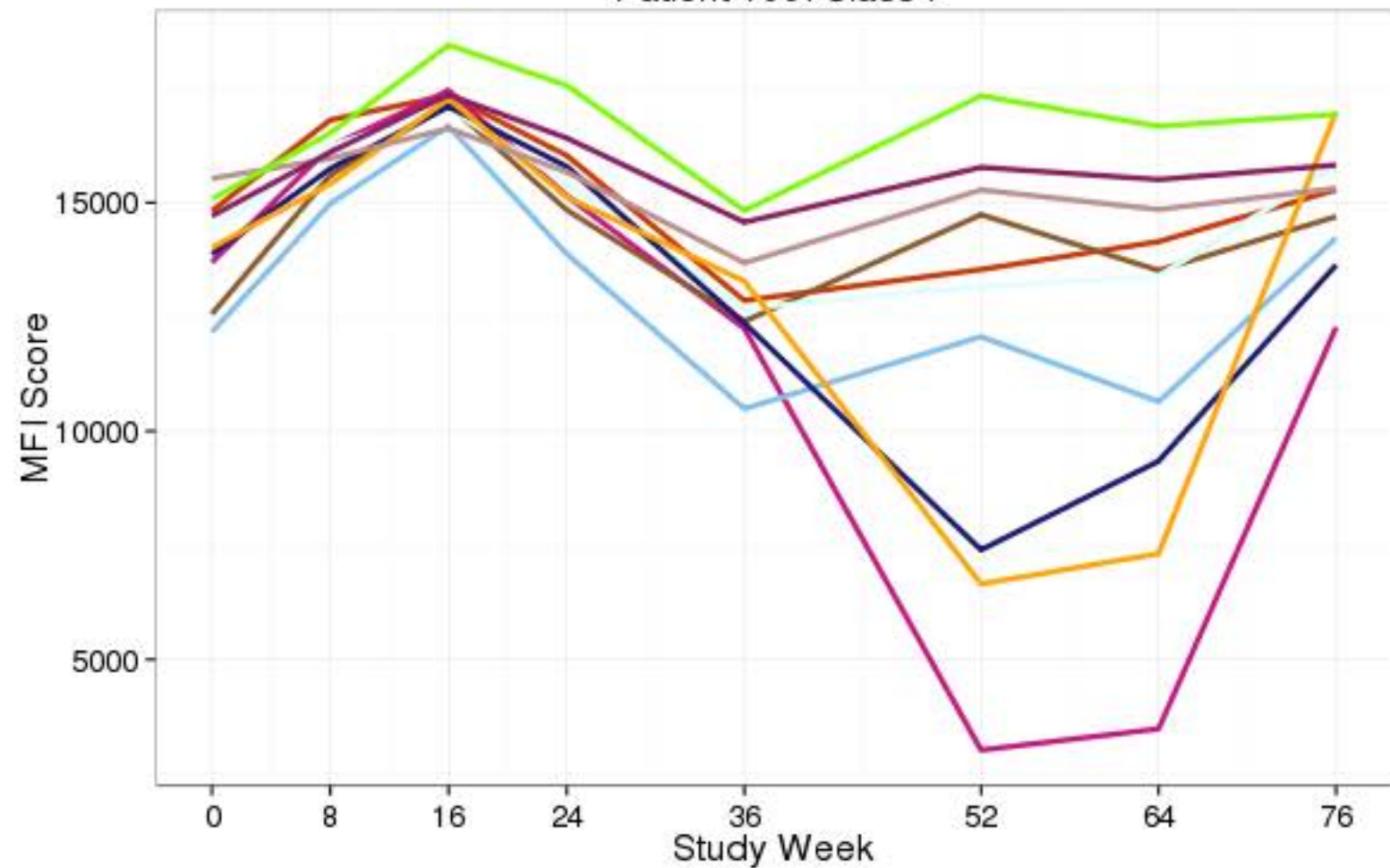
Patient 107: Class I



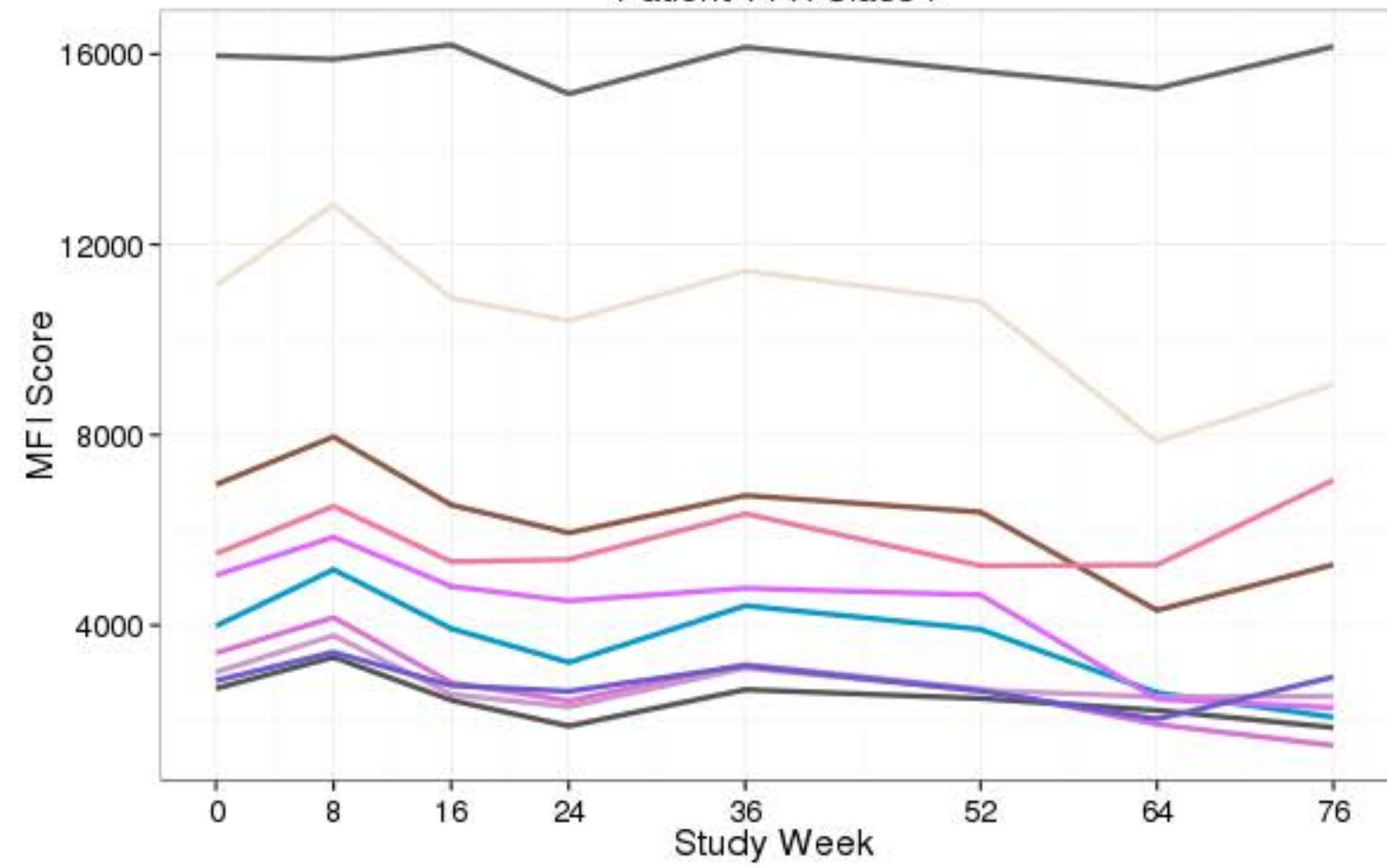
Patient 108: Class I



Patient 109: Class I

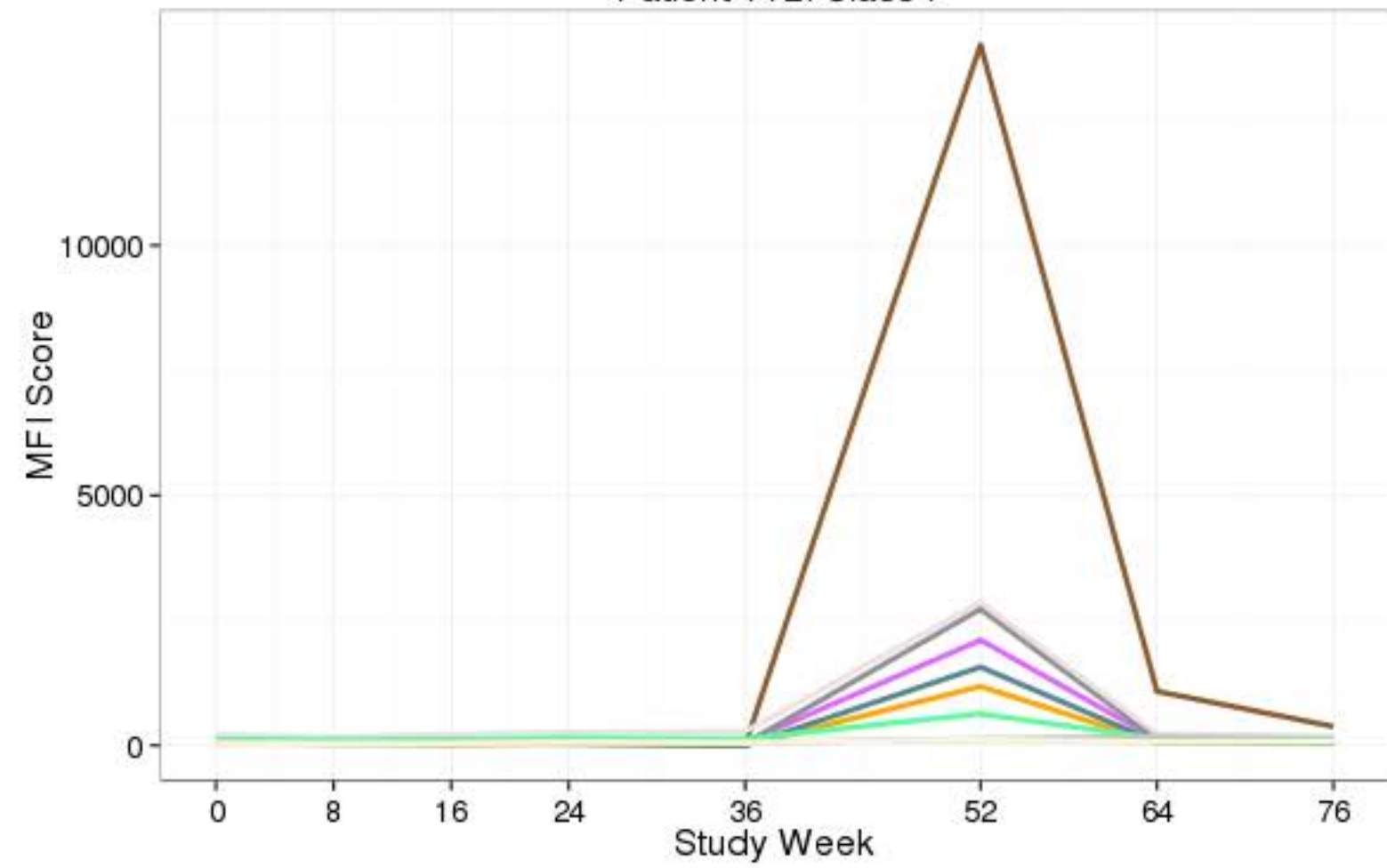


Patient 111: Class I



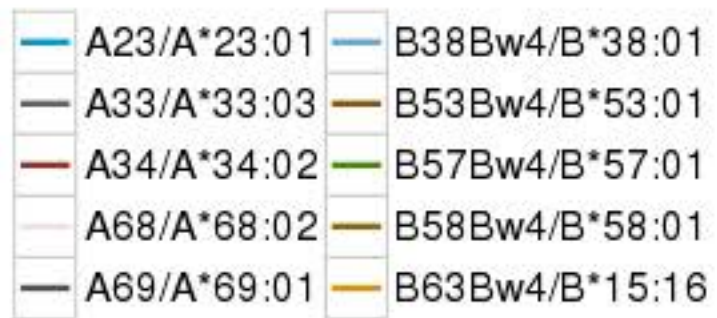
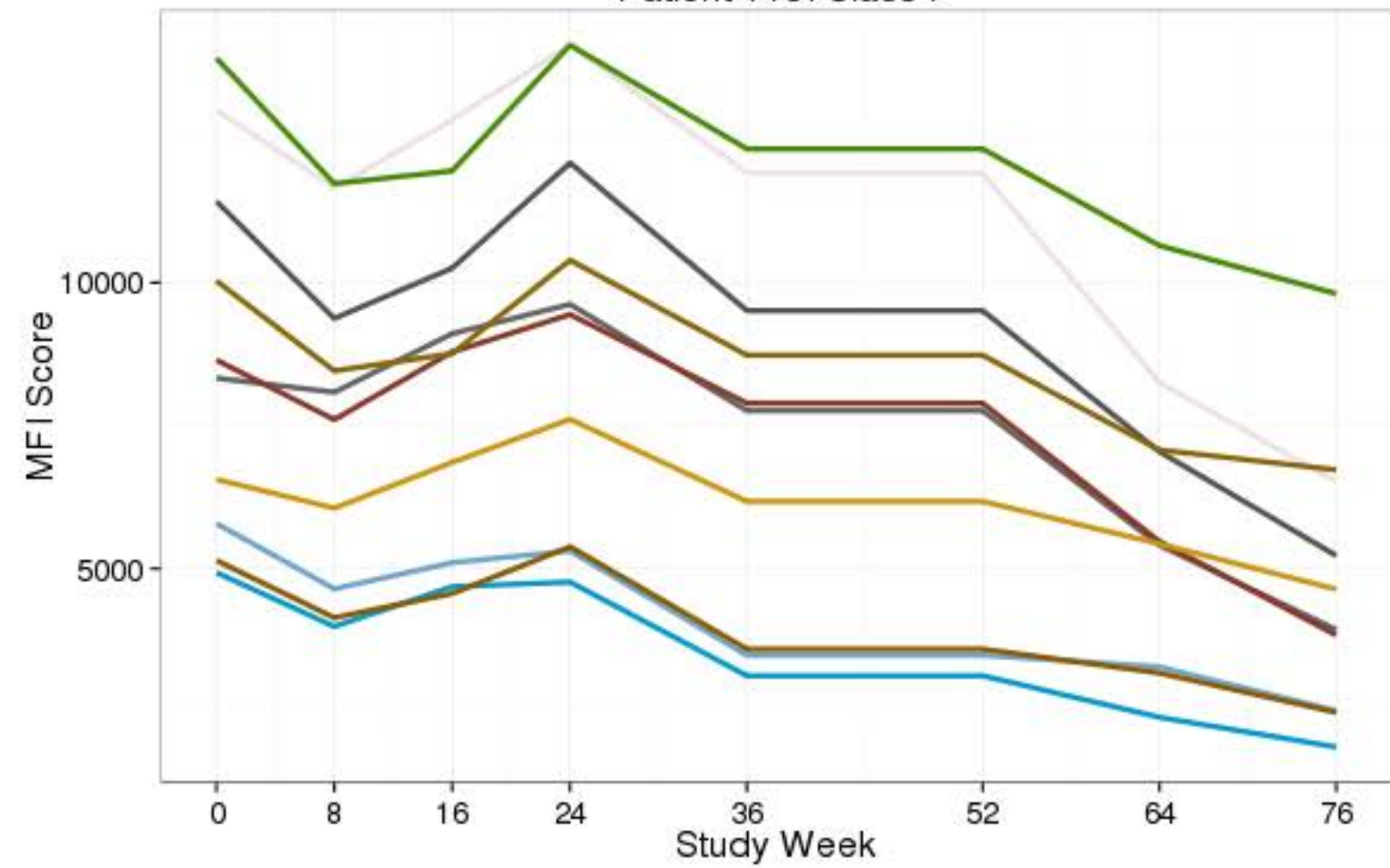
- | | |
|-------------|----------------|
| A23/A*23:01 | B54Bw6/B*54:01 |
| A24/A*24:03 | B64Bw6/B*14:01 |
| A2/A*02:01 | B65Bw6/B*14:02 |
| A3/A*03:01 | B8Bw6/B*08:01 |
| A69/A*69:01 | Cw5/C*05:01 |

Patient 112: Class I

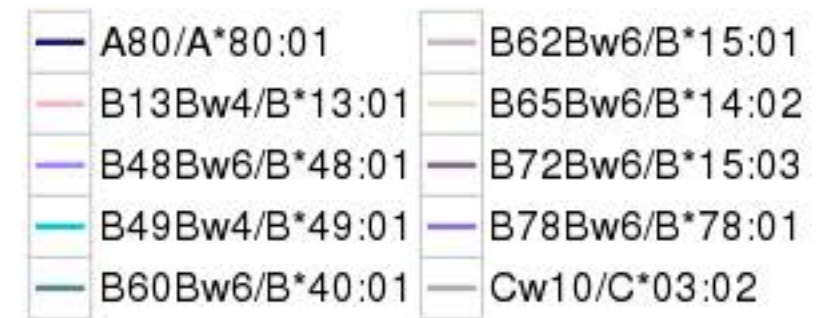
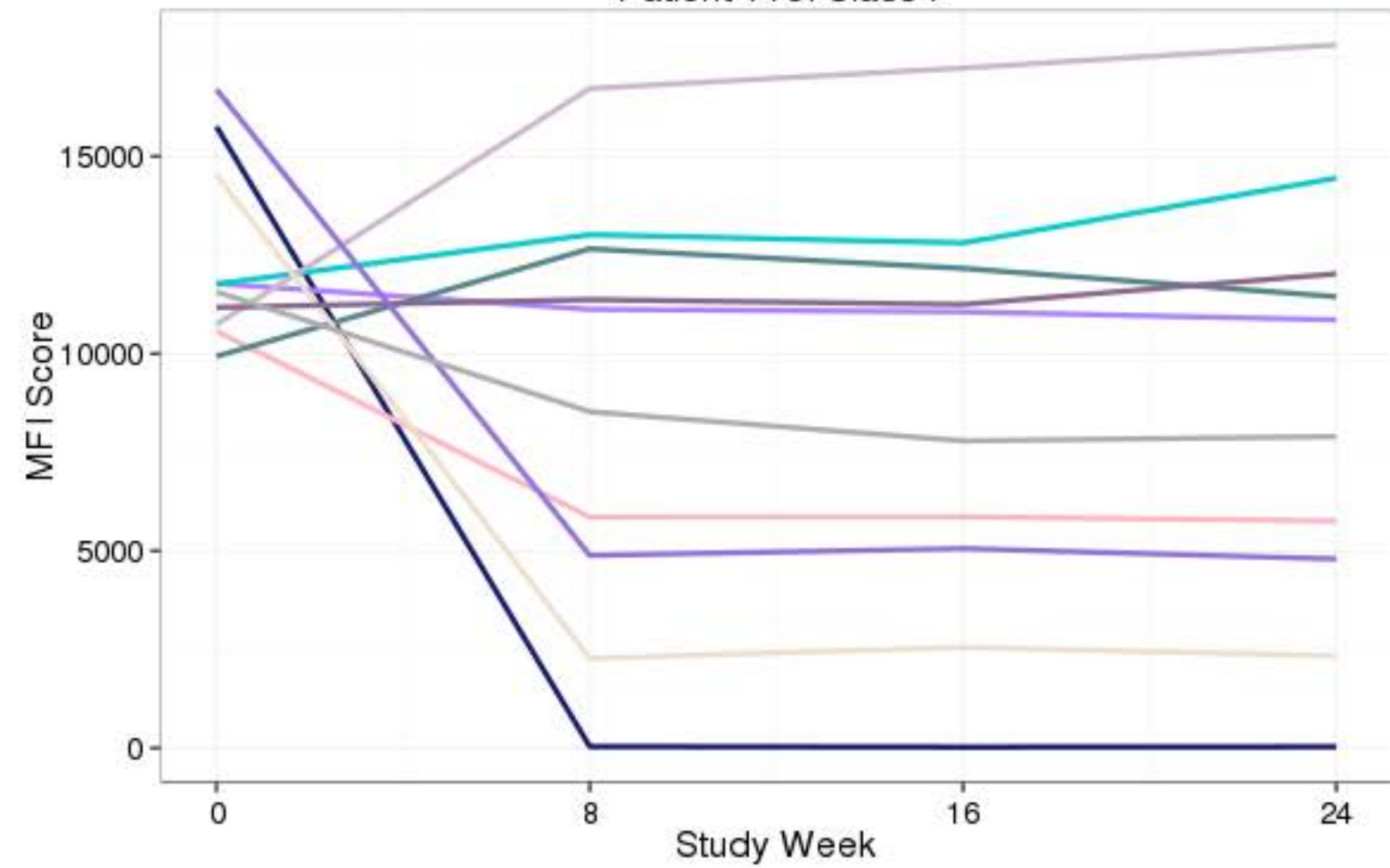


- | | |
|----------------|----------------|
| A34/A*34:01 | B60Bw6/B*40:01 |
| A3/A*03:01 | B67Bw6/B*67:01 |
| A66/A*66:02 | Cw16/C*16:01 |
| A68/A*68:02 | Cw1/C*01:02 |
| B27Bw4/B*27:05 | Cw6/C*06:02 |

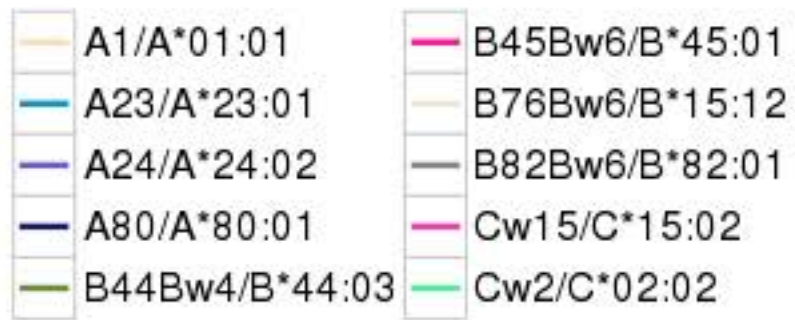
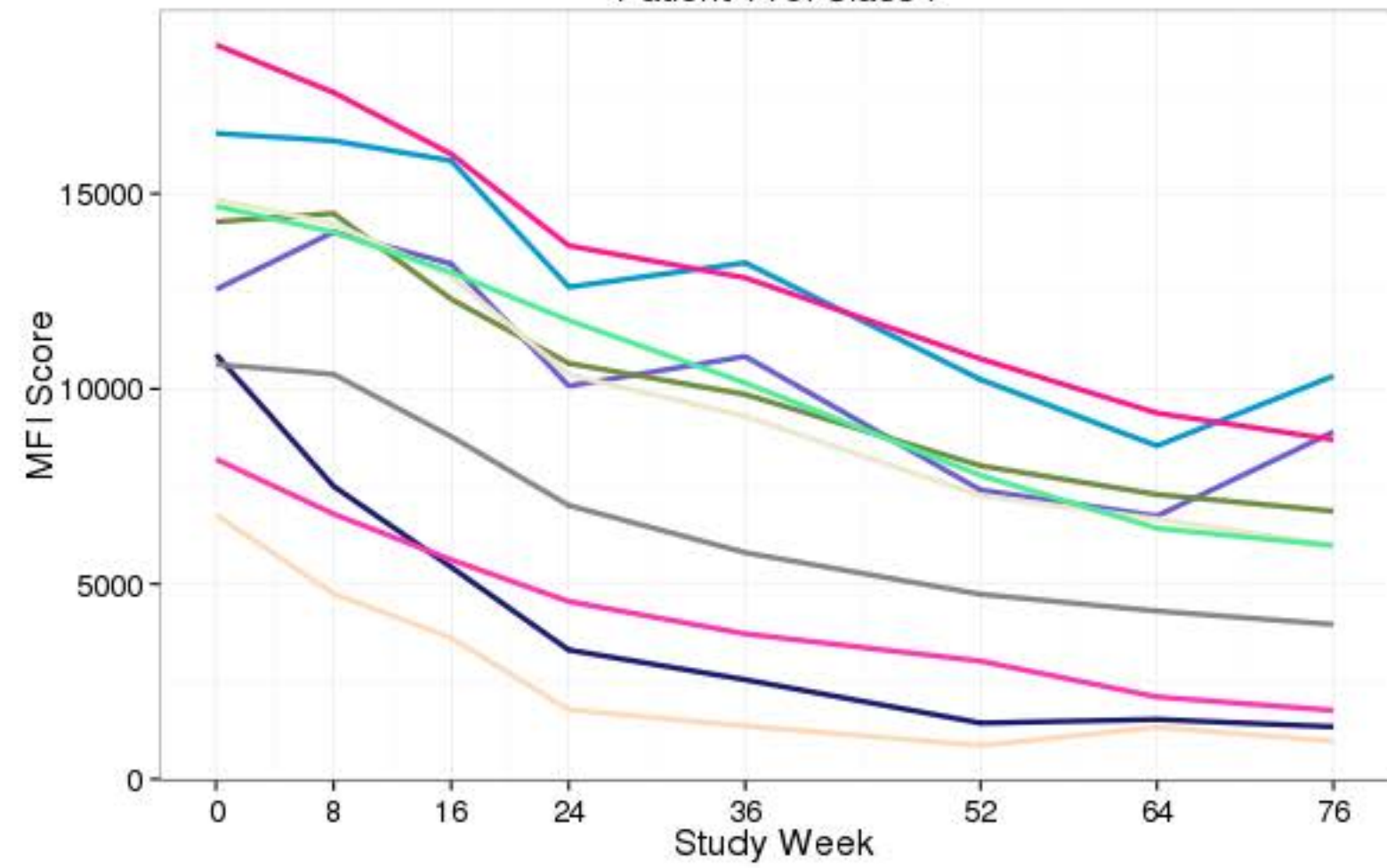
Patient 113: Class I



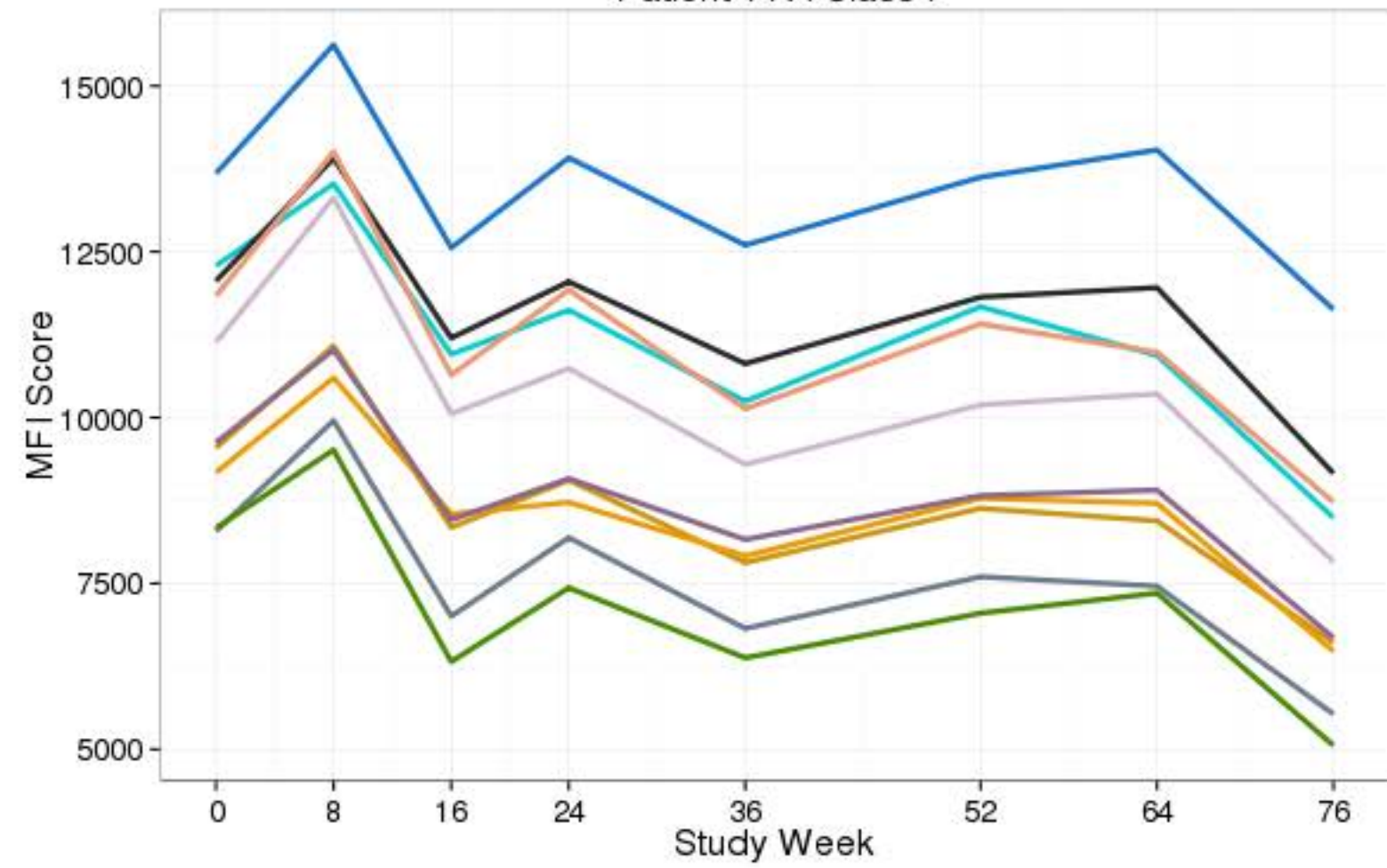
Patient 115: Class I



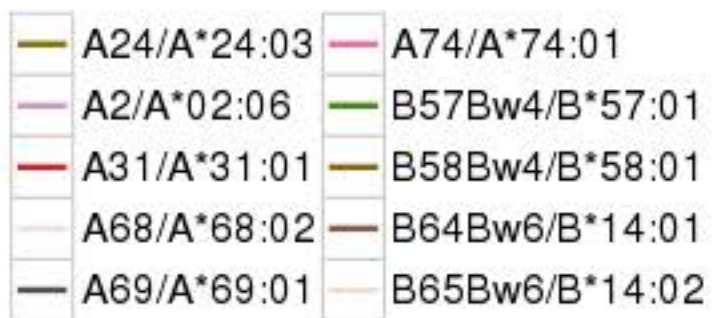
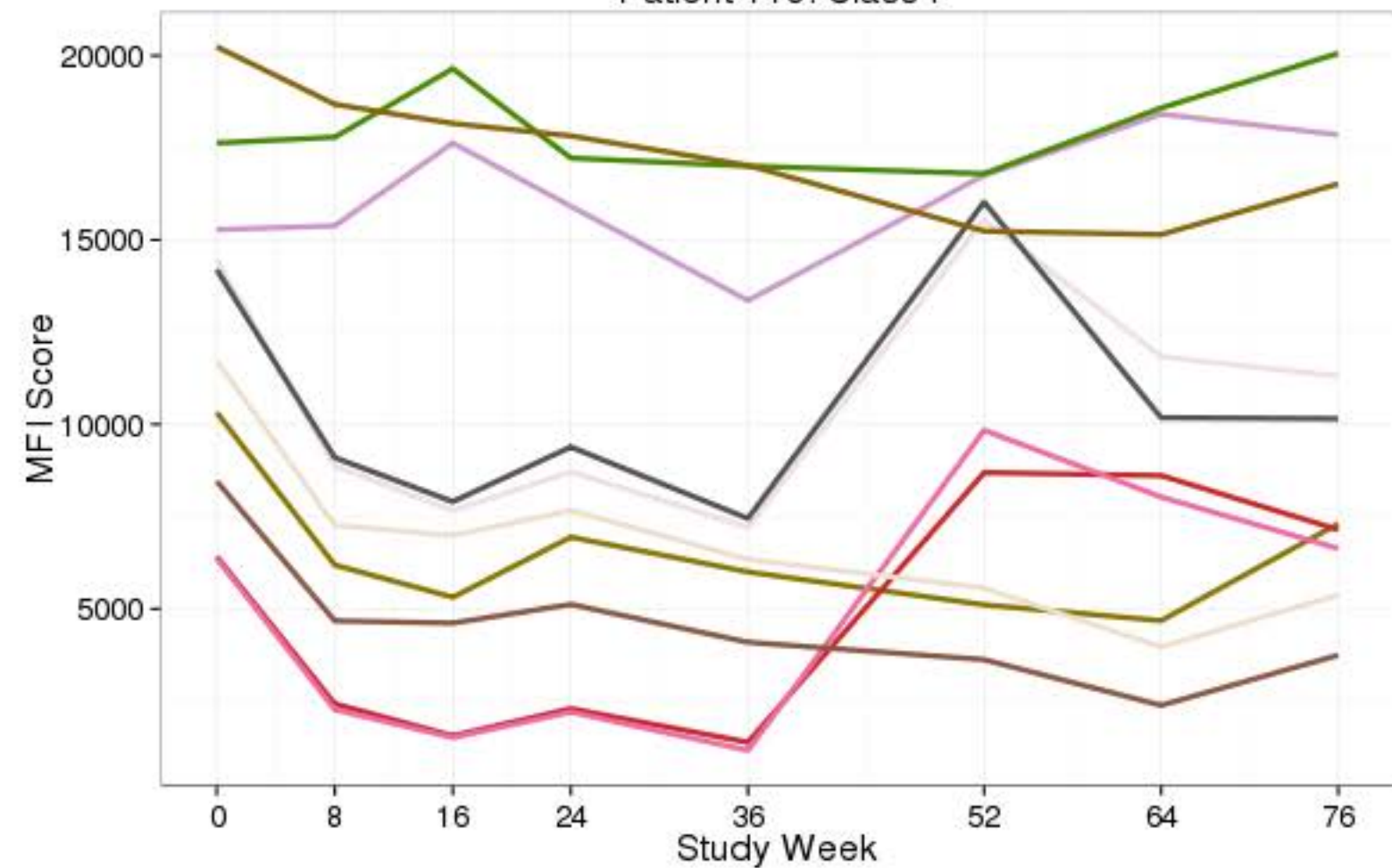
Patient 116: Class I



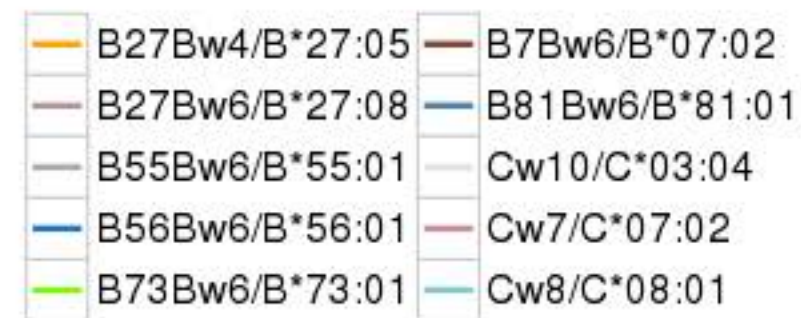
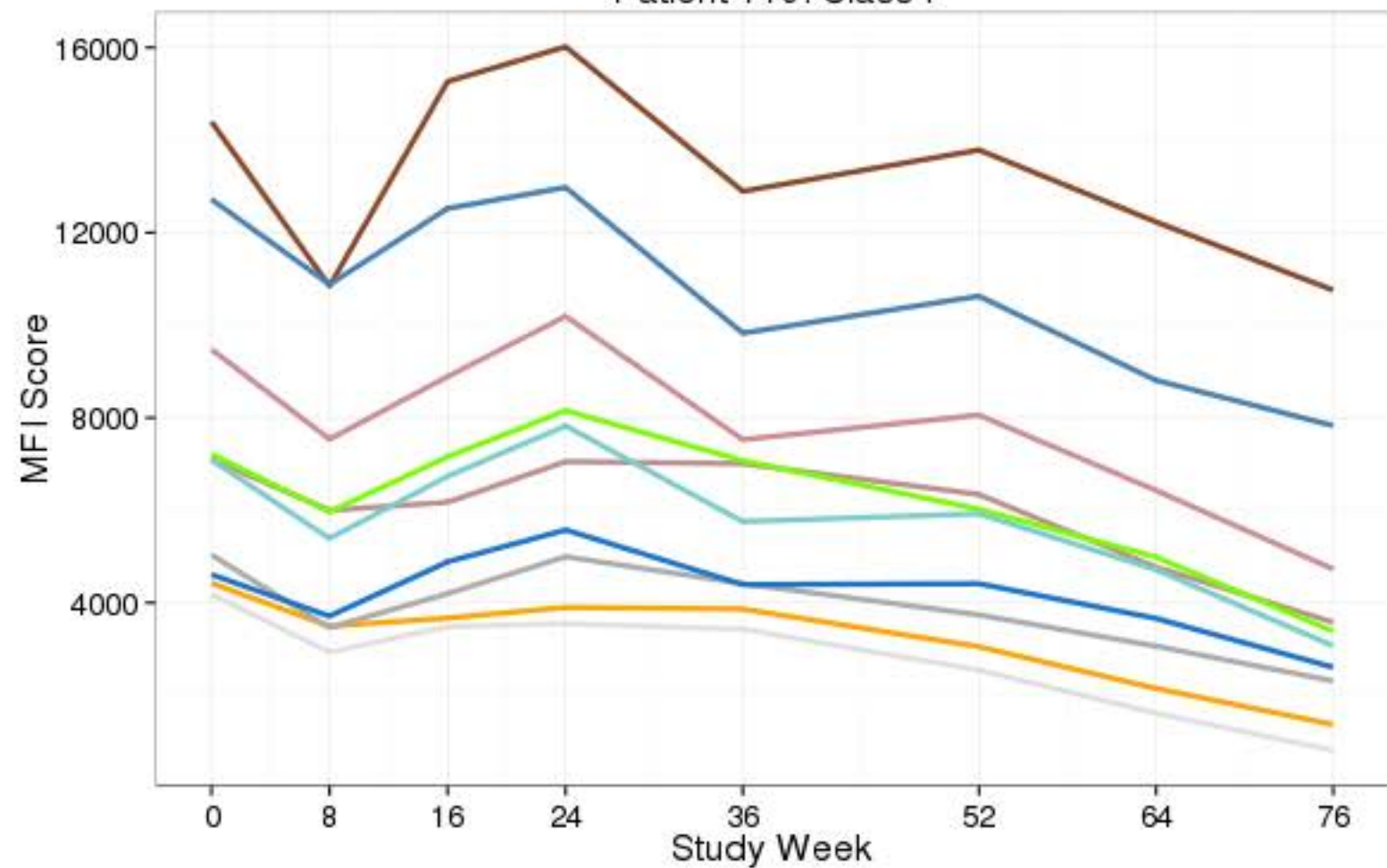
Patient 117: Class I



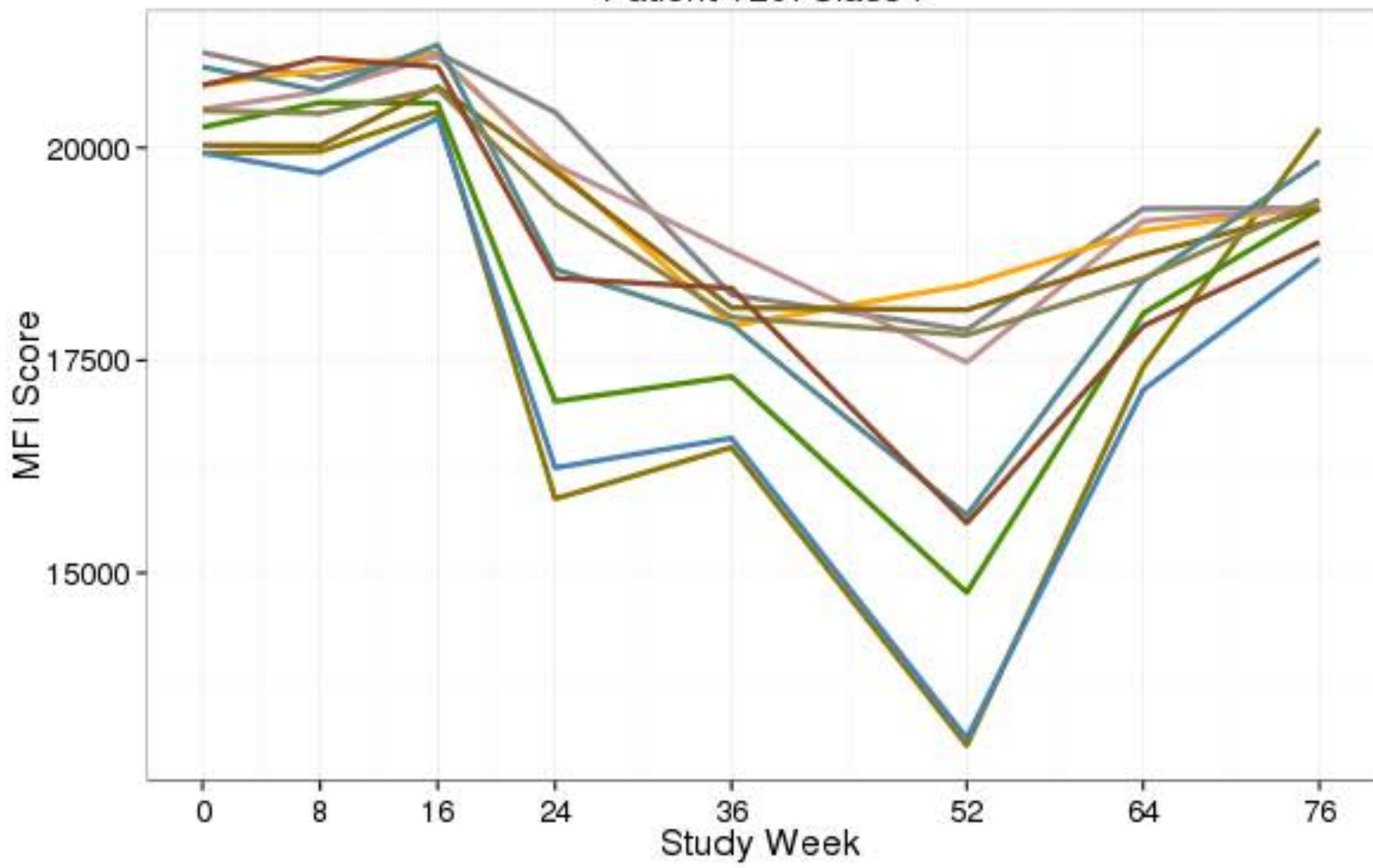
Patient 118: Class I



Patient 119: Class I

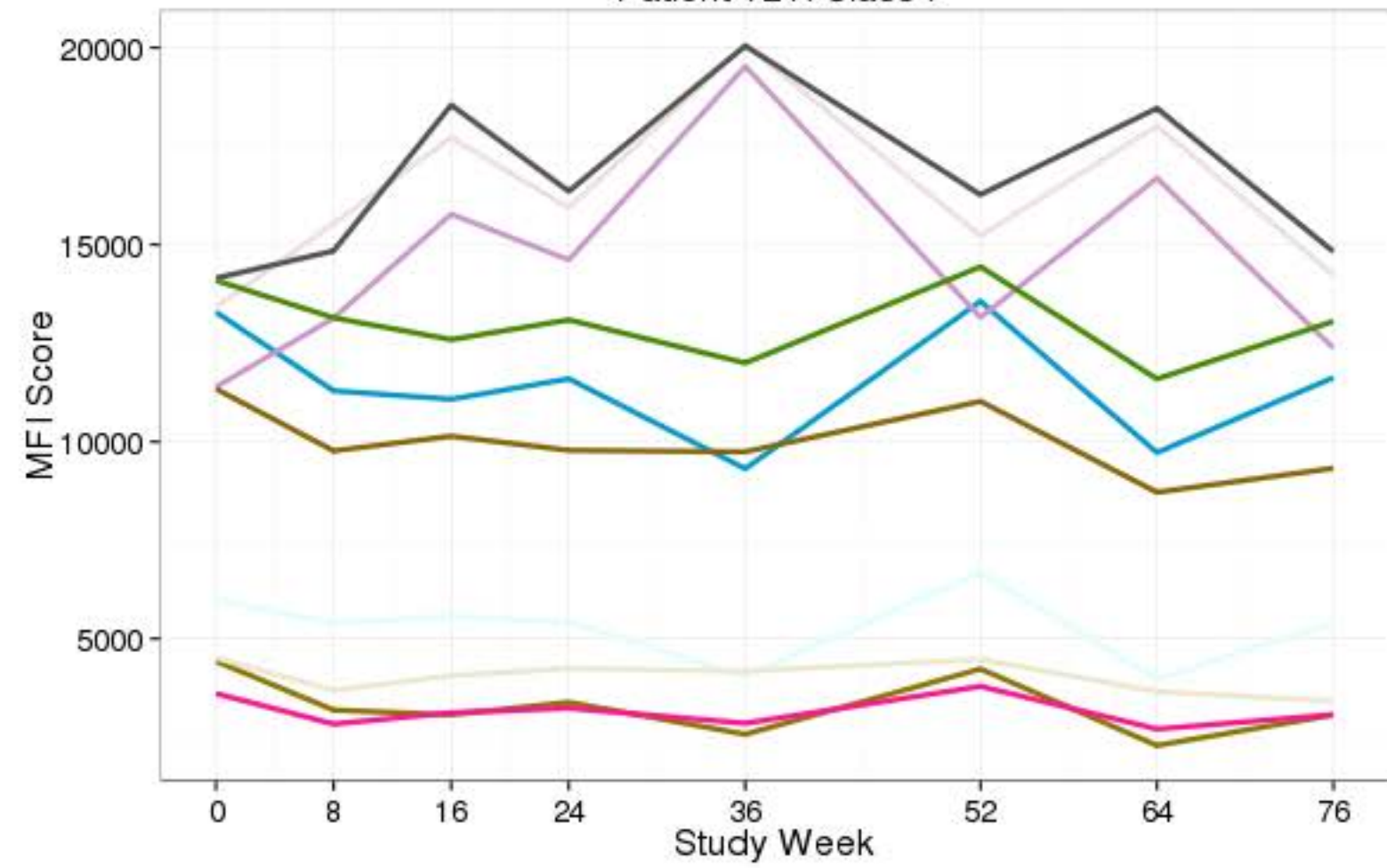


Patient 120: Class I



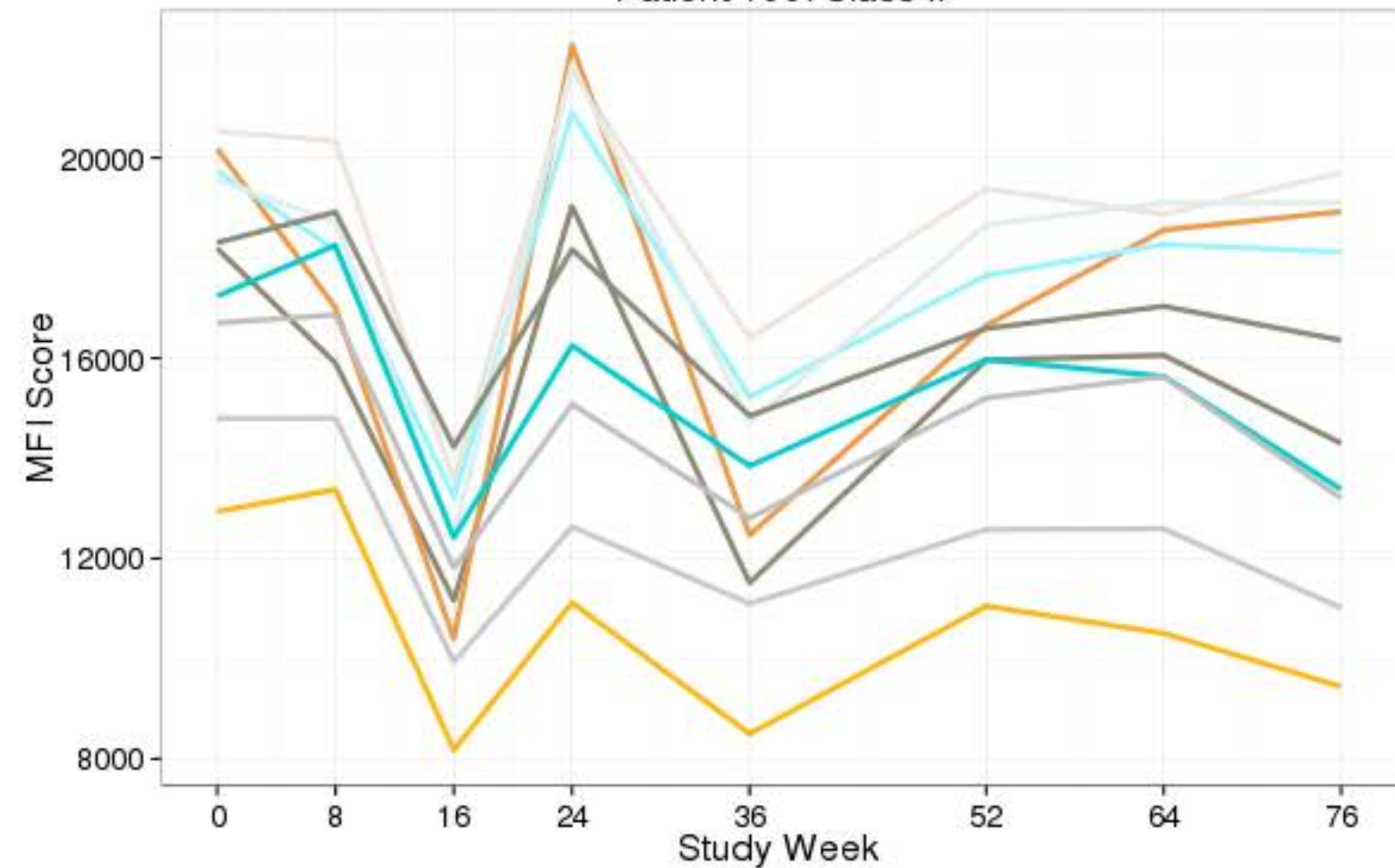
- | | |
|----------------|----------------|
| A2/A*02:06 | B58Bw4/B*58:01 |
| B13Bw4/B*13:02 | B60Bw6/B*40:01 |
| B27Bw4/B*27:05 | B61Bw6/B*40:06 |
| B27Bw6/B*27:08 | B7Bw6/B*07:02 |
| B57Bw4/B*57:01 | B81Bw6/B*81:01 |

Patient 121: Class I



- | | |
|-------------|----------------|
| A23/A*23:01 | A69/A*69:01 |
| A24/A*24:03 | B45Bw6/B*45:01 |
| A2/A*02:06 | B57Bw4/B*57:01 |
| A36/A*36:01 | B58Bw4/B*58:01 |
| A68/A*68:02 | B76Bw6/B*15:12 |

Patient 100: Class II



Patient 102: Class II

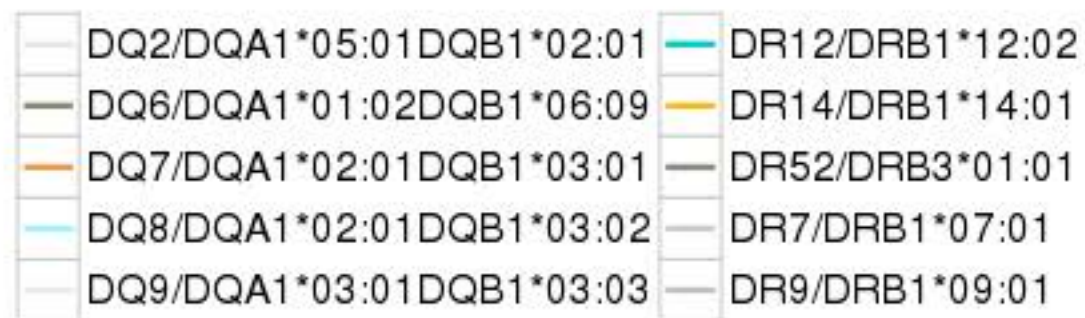
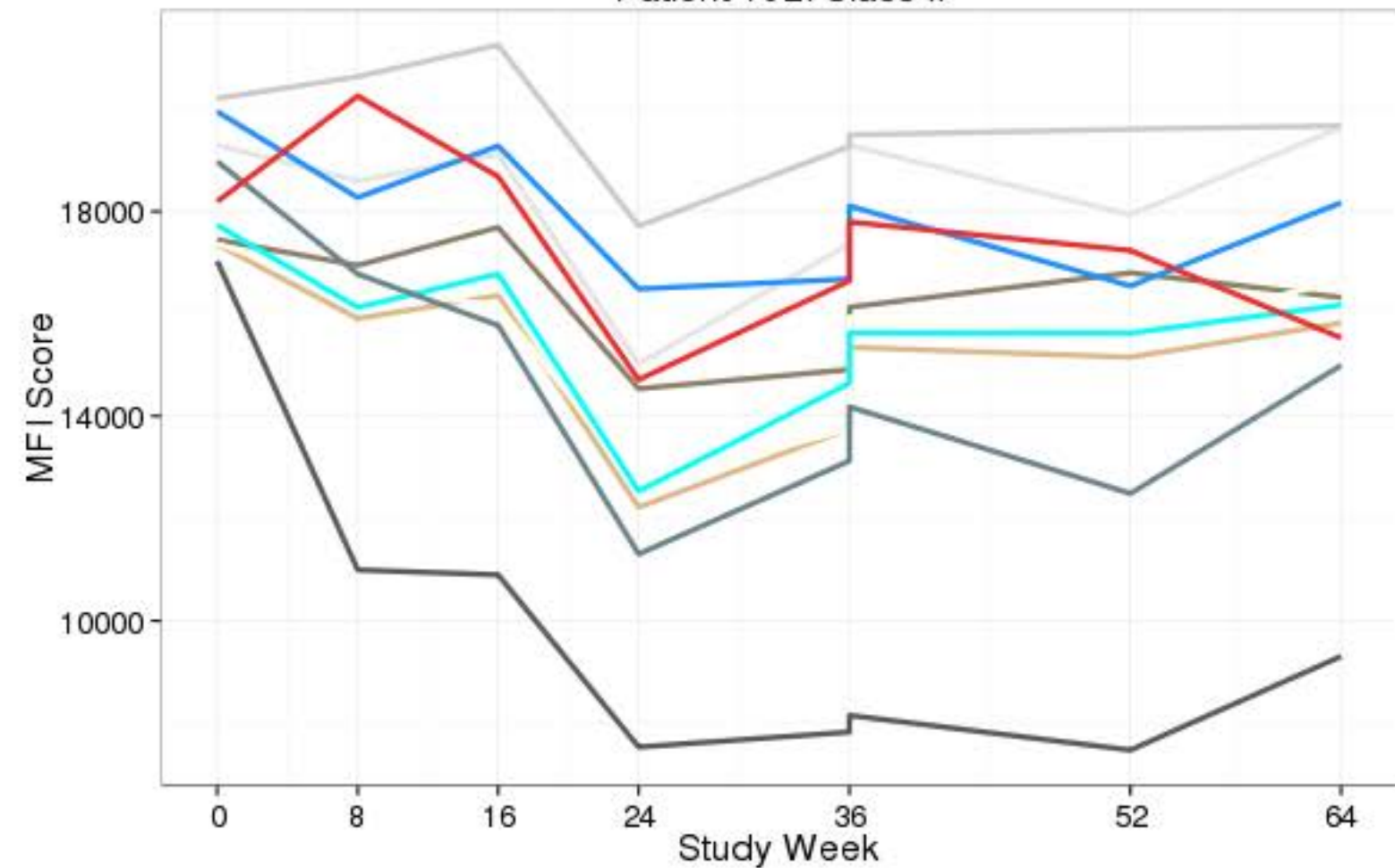
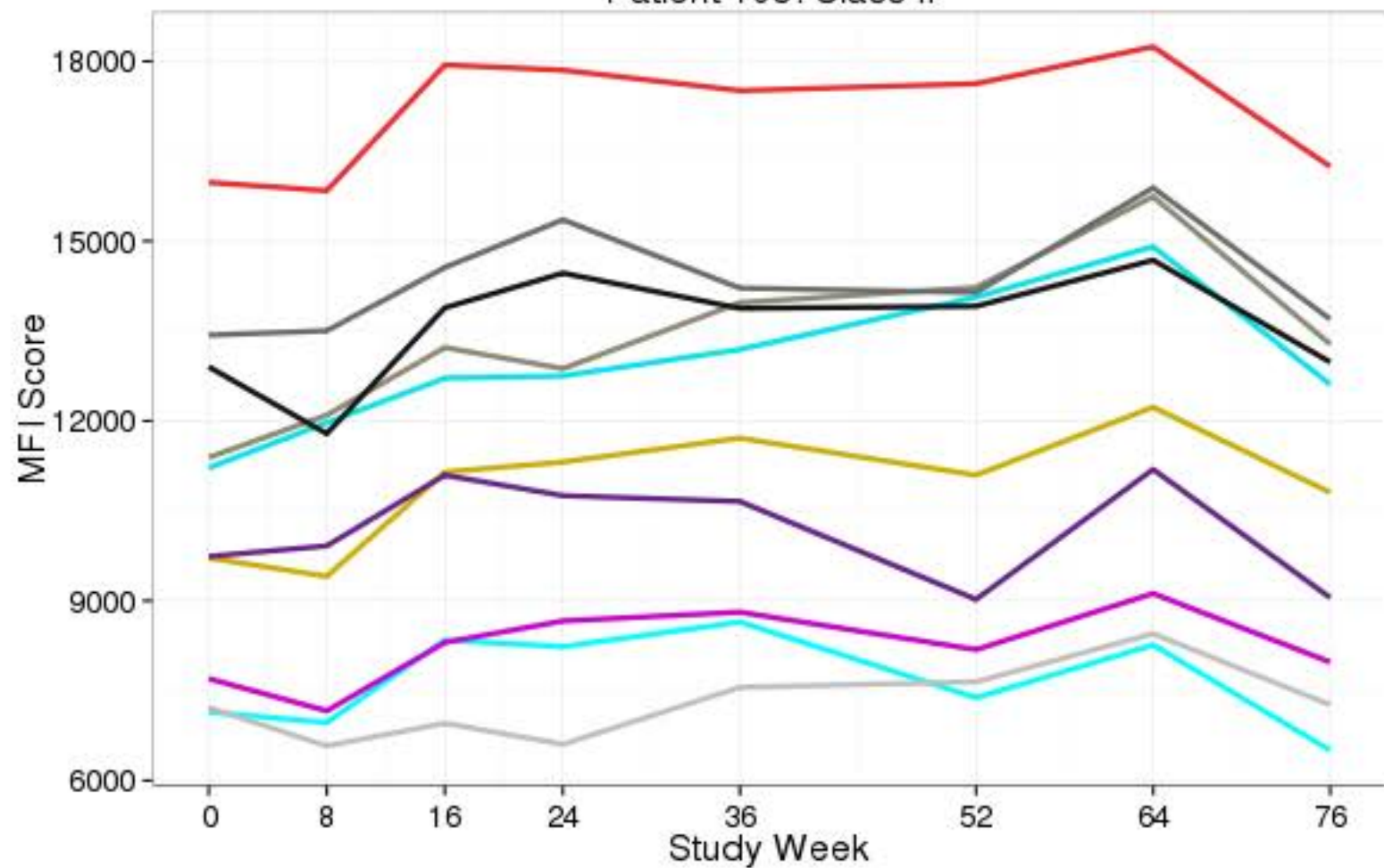
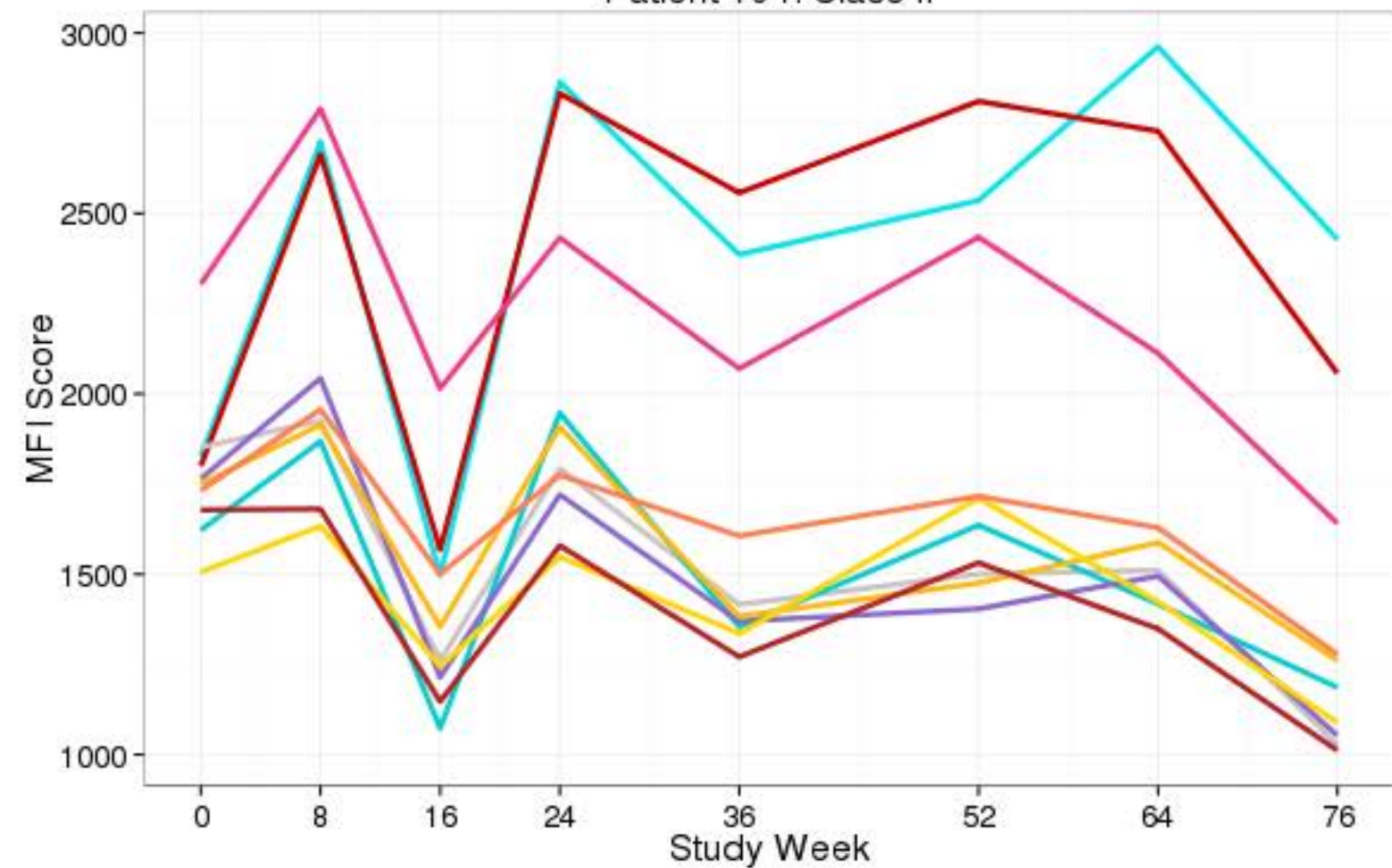


Figure S2: Individual Patient Class II Alloreactivity over 76 Weeks following 24 weeks of tabalumab Treatment and up to 52 additional weeks of Follow-up

Patient 103: Class II



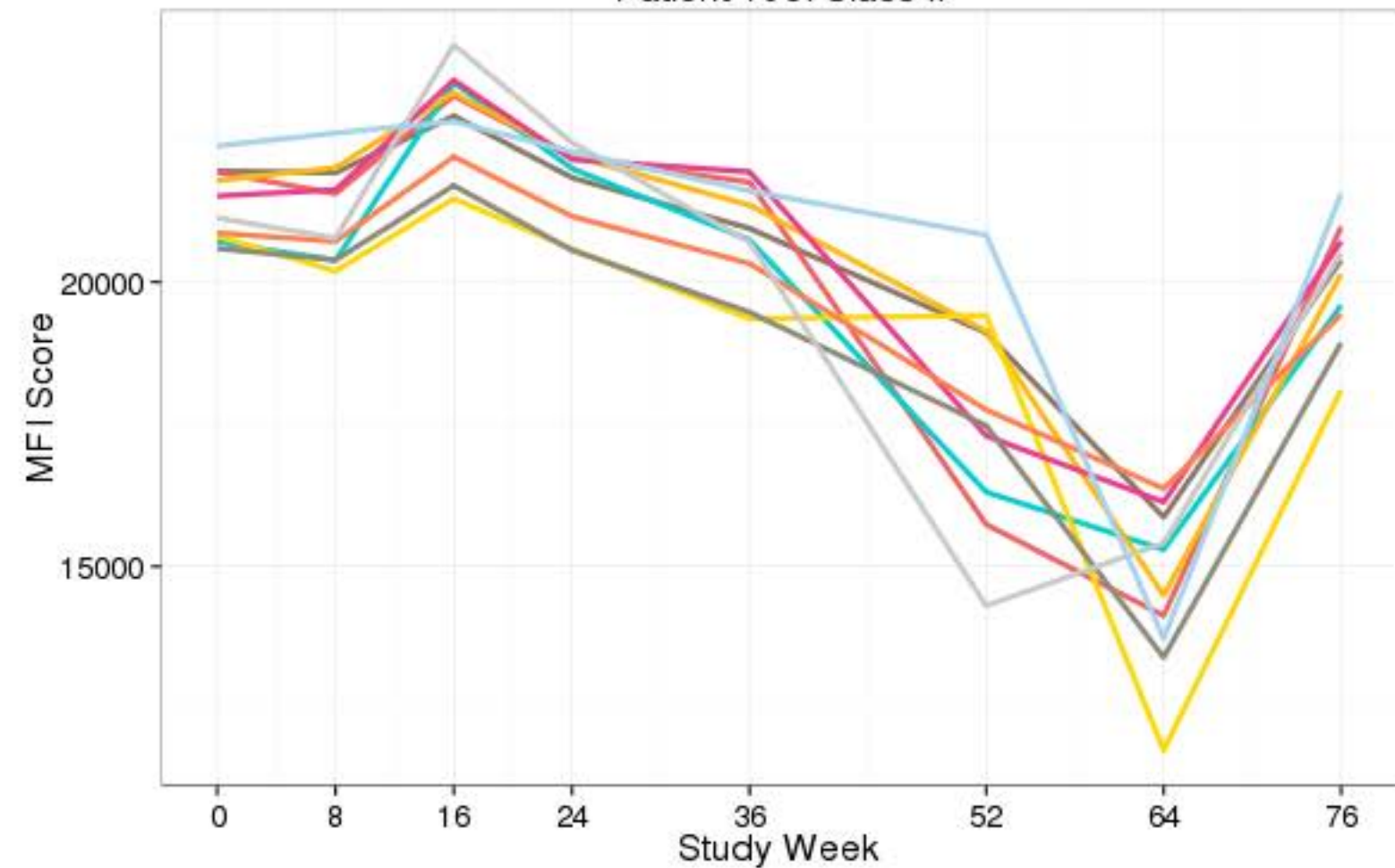
Patient 104: Class II



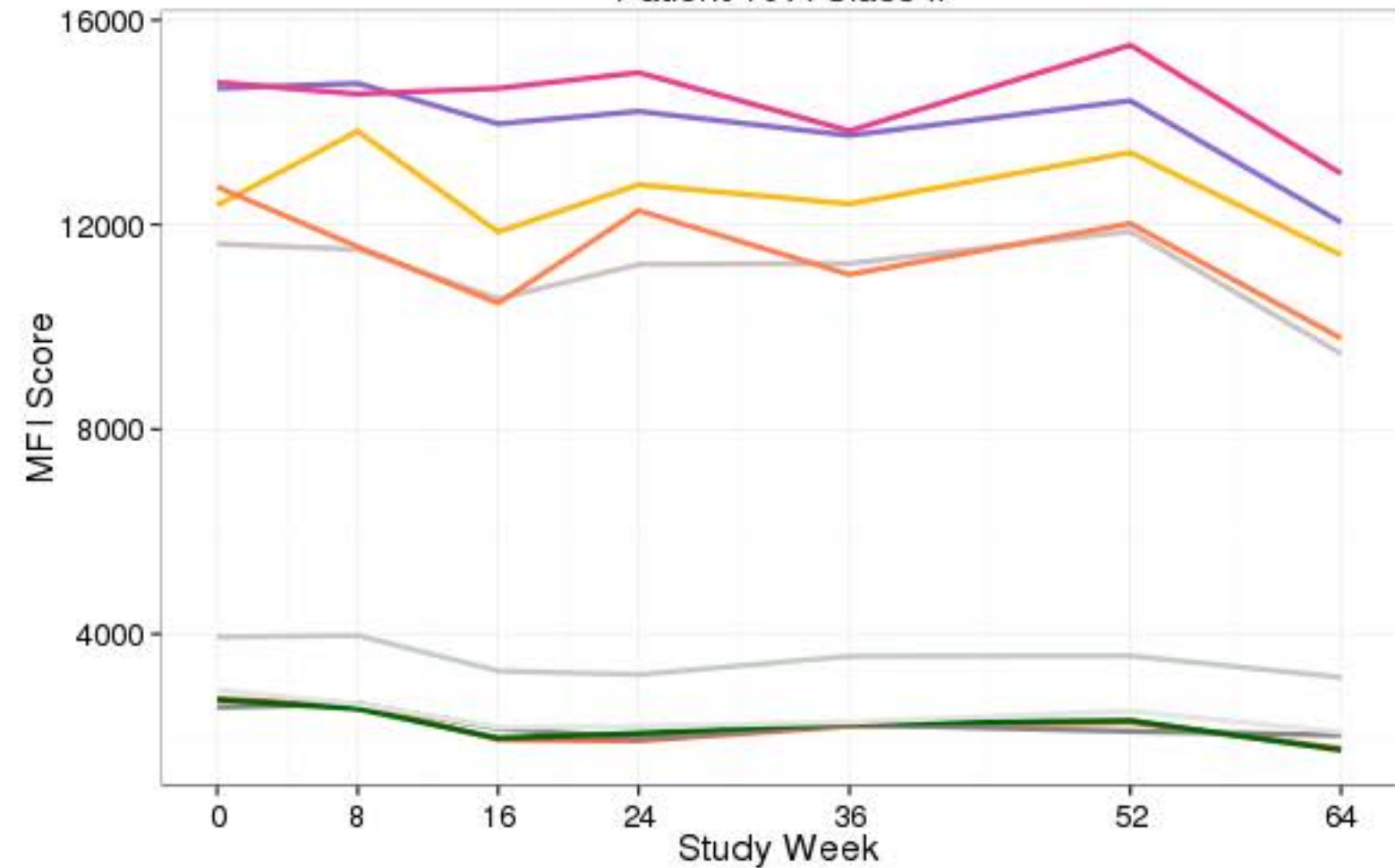
- | | |
|--------------------------|-----------------|
| DP3/DPA1*01:03DPB1*03:01 | DR1/DRB1*01:01 |
| DQ5/DQA1*01:01DQB1*05:01 | DR4/DRB1*04:04 |
| DQ6/DQA1*01:02DQB1*06:09 | DR51/DRB5*02:02 |
| DR103/DRB1*01:03 | DR53/DRB4*01:03 |
| DR15/DRB1*15:03 | DR9/DRB1*09:01 |

- | | |
|--------------------------|-----------------|
| DQ5/DQA1*01:01DQB1*05:01 | DR14/DRB1*14:01 |
| DQ6/DQA1*01:03DQB1*06:03 | DR15/DRB1*15:01 |
| DR11/DRB1*11:04 | DR17/DRB1*03:01 |
| DR12/DRB1*12:02 | DR18/DRB1*03:02 |
| DR13/DRB1*13:03 | DR8/DRB1*08:01 |

Patient 105: Class II



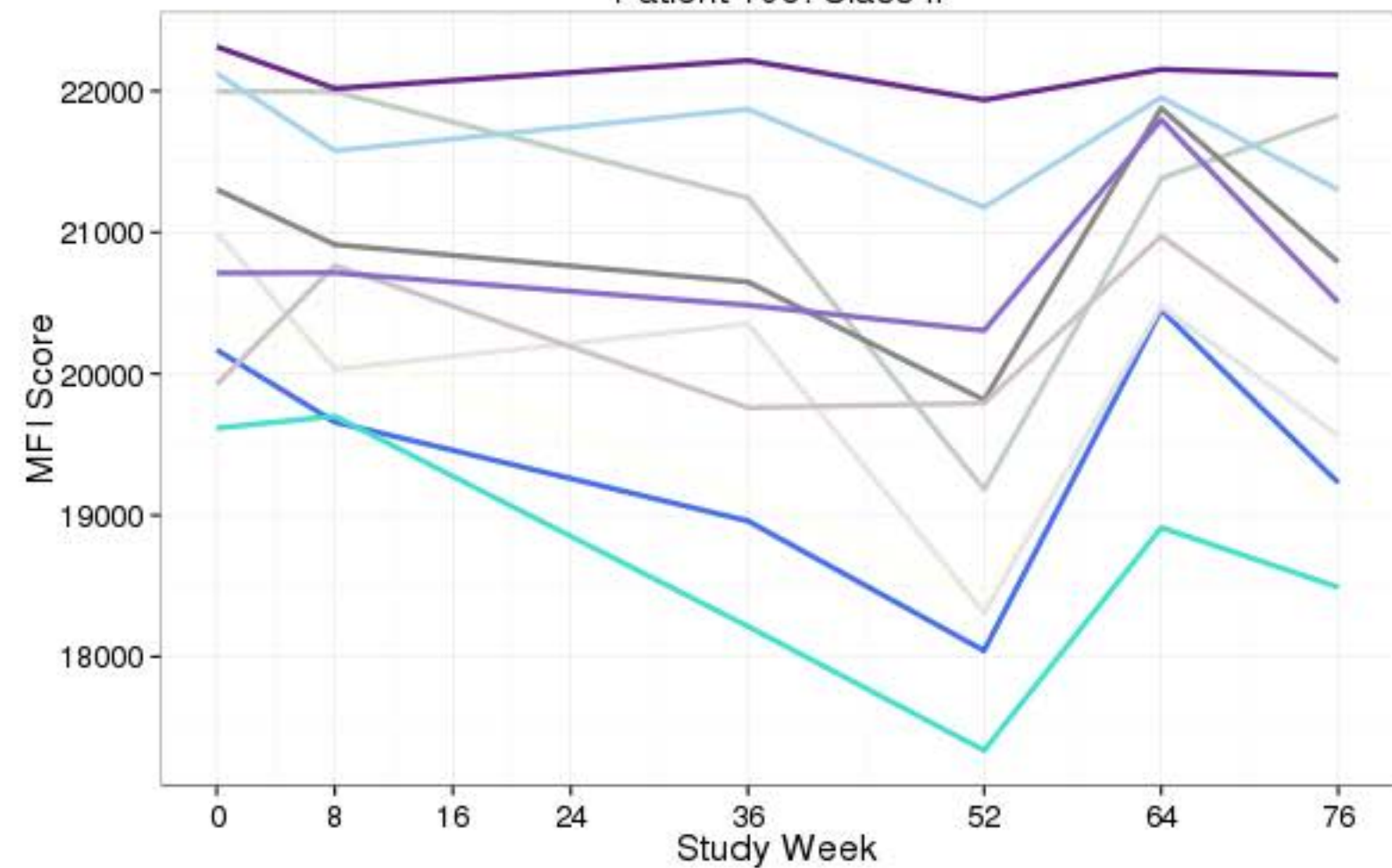
Patient 107: Class II



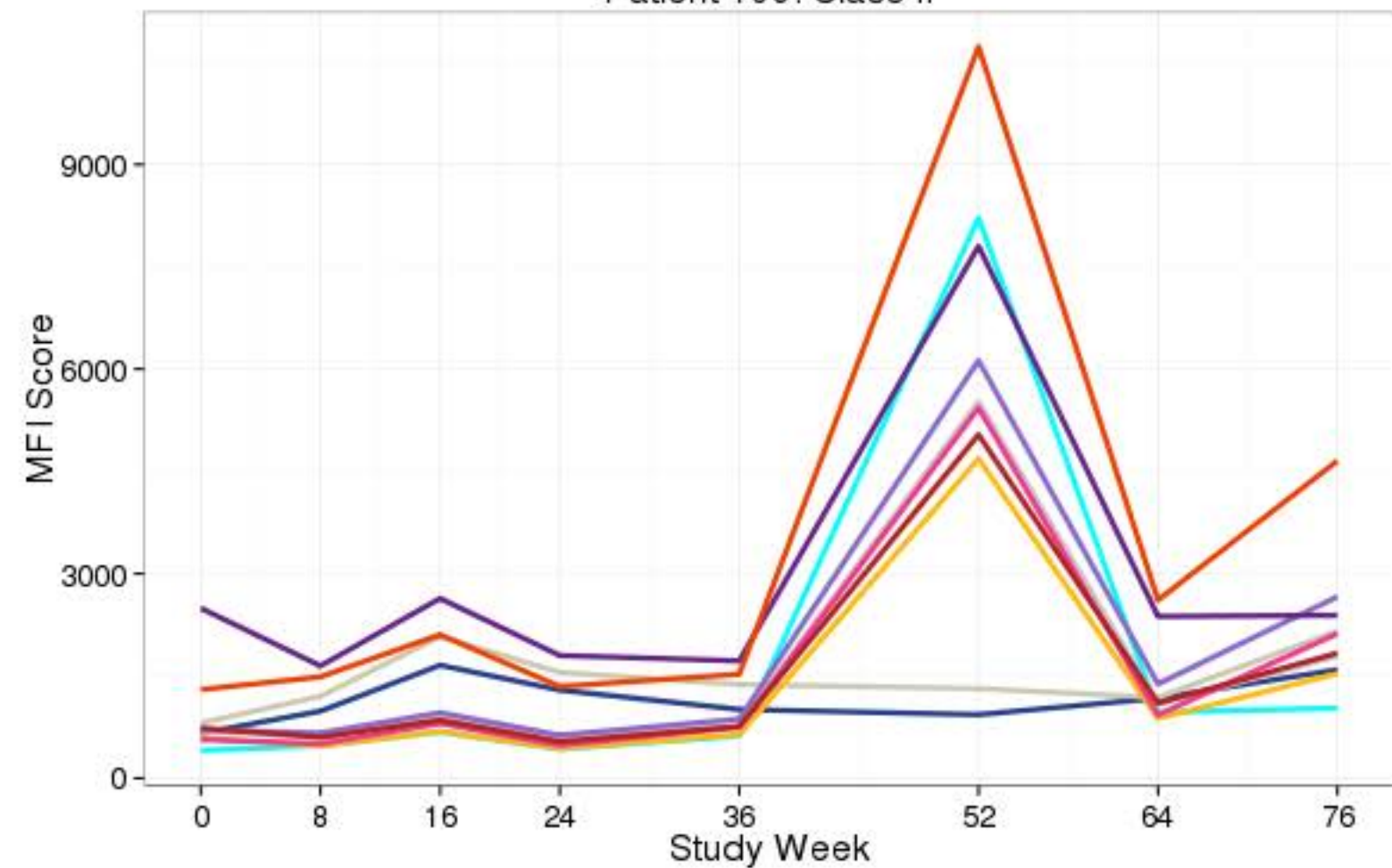
- | | |
|----------------------------|-------------------|
| — DQ5/DQA1*01:02DQB1*05:02 | — DR17/DRB1*03:01 |
| — DQ6/DQA1*01:02DQB1*06:04 | — DR18/DRB1*03:02 |
| — DR12/DRB1*12:02 | — DR52/DRB3*01:01 |
| — DR14/DRB1*14:01 | — DR7/DRB1*07:01 |
| — DR15/DRB1*15:01 | — DR9/DRB1*09:02 |

- | | |
|-----------------------------|-------------------|
| — DP18/DPA1*02:01DPB1*18:01 | — DR11/DRB1*11:04 |
| — DP1/DPA1*02:01DPB1*01:01 | — DR13/DRB1*13:03 |
| — DP4/DPA1*01:03DPB1*04:01 | — DR14/DRB1*14:01 |
| — DP5/DPA1*02:01DPB1*05:01 | — DR17/DRB1*03:01 |
| — DP9/DPA1*02:01DPB1*09:01 | — DR18/DRB1*03:02 |

Patient 108: Class II



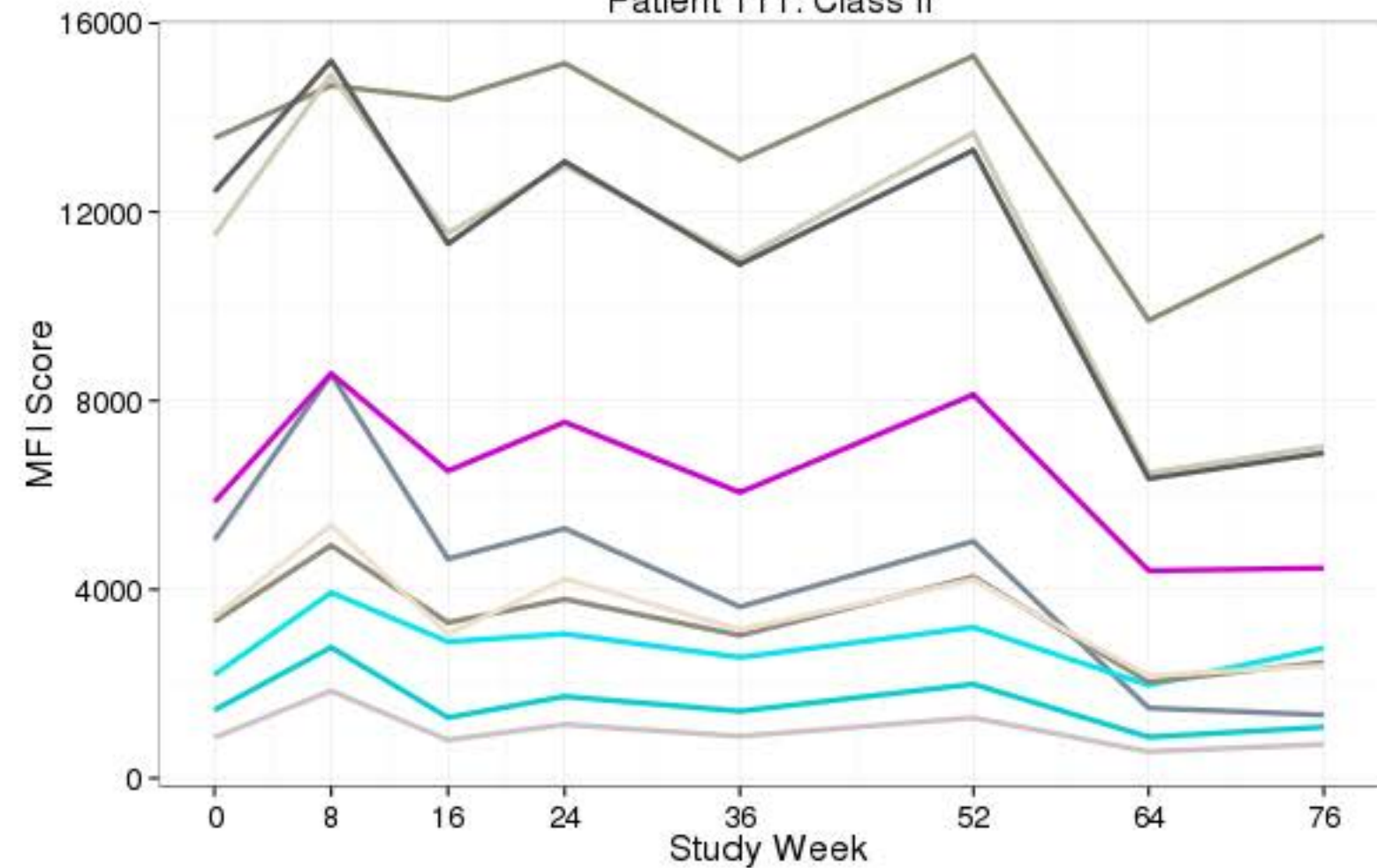
Patient 109: Class II



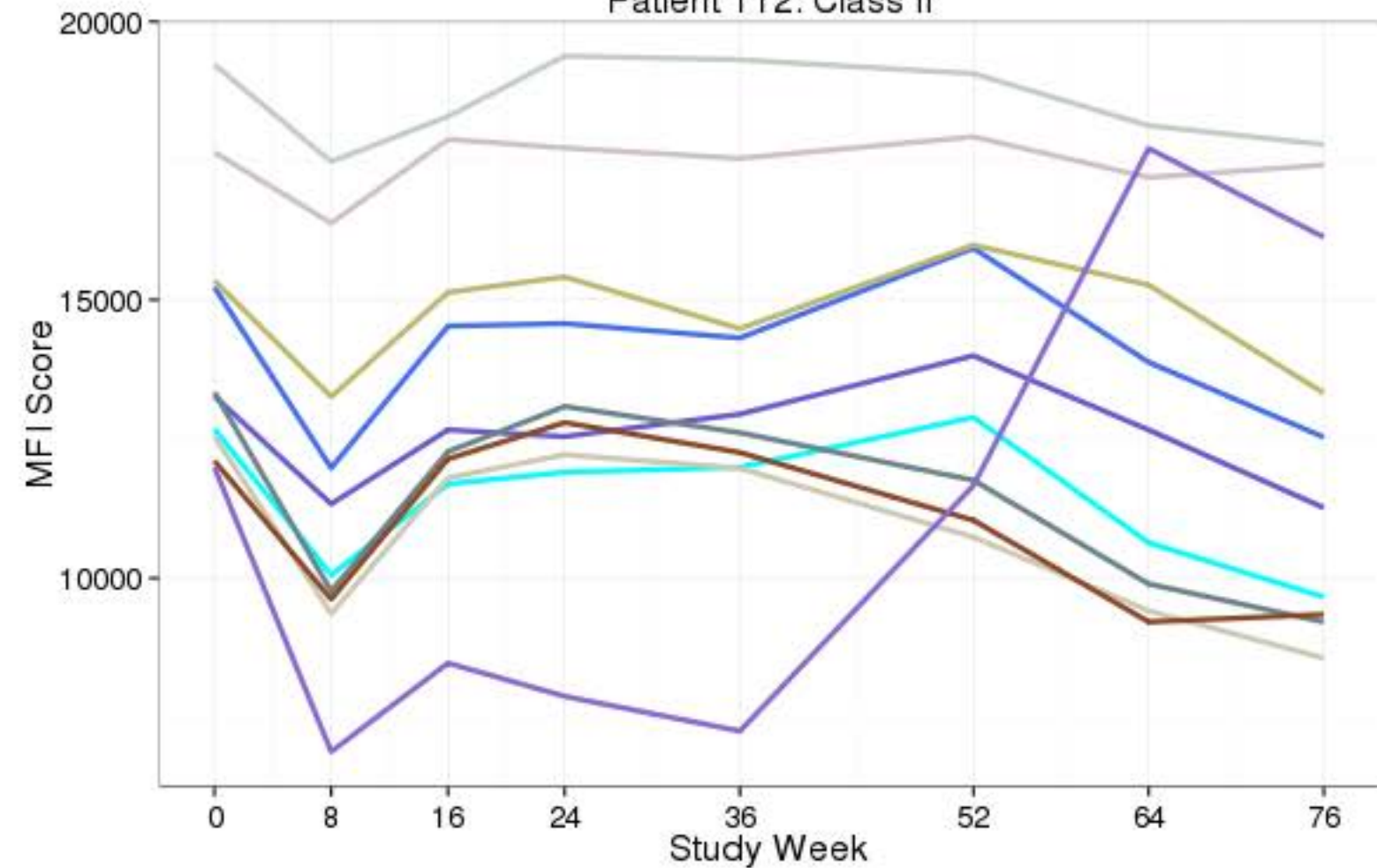
- | | |
|---------------------------|-----------------|
| DP17/DPA1*02:01DPB1*17:01 | DR11/DRB1*11:04 |
| DP18/DPA1*02:01DPB1*18:01 | DR13/DRB1*13:03 |
| DP2/DPA1*01:03DPB1*02:01 | DR4/DRB1*04:04 |
| DP4/DPA1*01:03DPB1*04:01 | DR53/DRB4*01:01 |
| DP9/DPA1*02:01DPB1*09:01 | DR9/DRB1*09:02 |

- | | |
|--------------------------|-----------------|
| DP3/DPA1*01:03DPB1*03:01 | DR14/DRB1*14:01 |
| DQ7/DQA1*05:03DQB1*03:01 | DR17/DRB1*03:01 |
| DQ8/DQA1*03:02DQB1*03:02 | DR4/DRB1*04:04 |
| DR11/DRB1*11:04 | DR52/DRB3*02:02 |
| DR13/DRB1*13:03 | DR8/DRB1*08:01 |

Patient 111: Class II



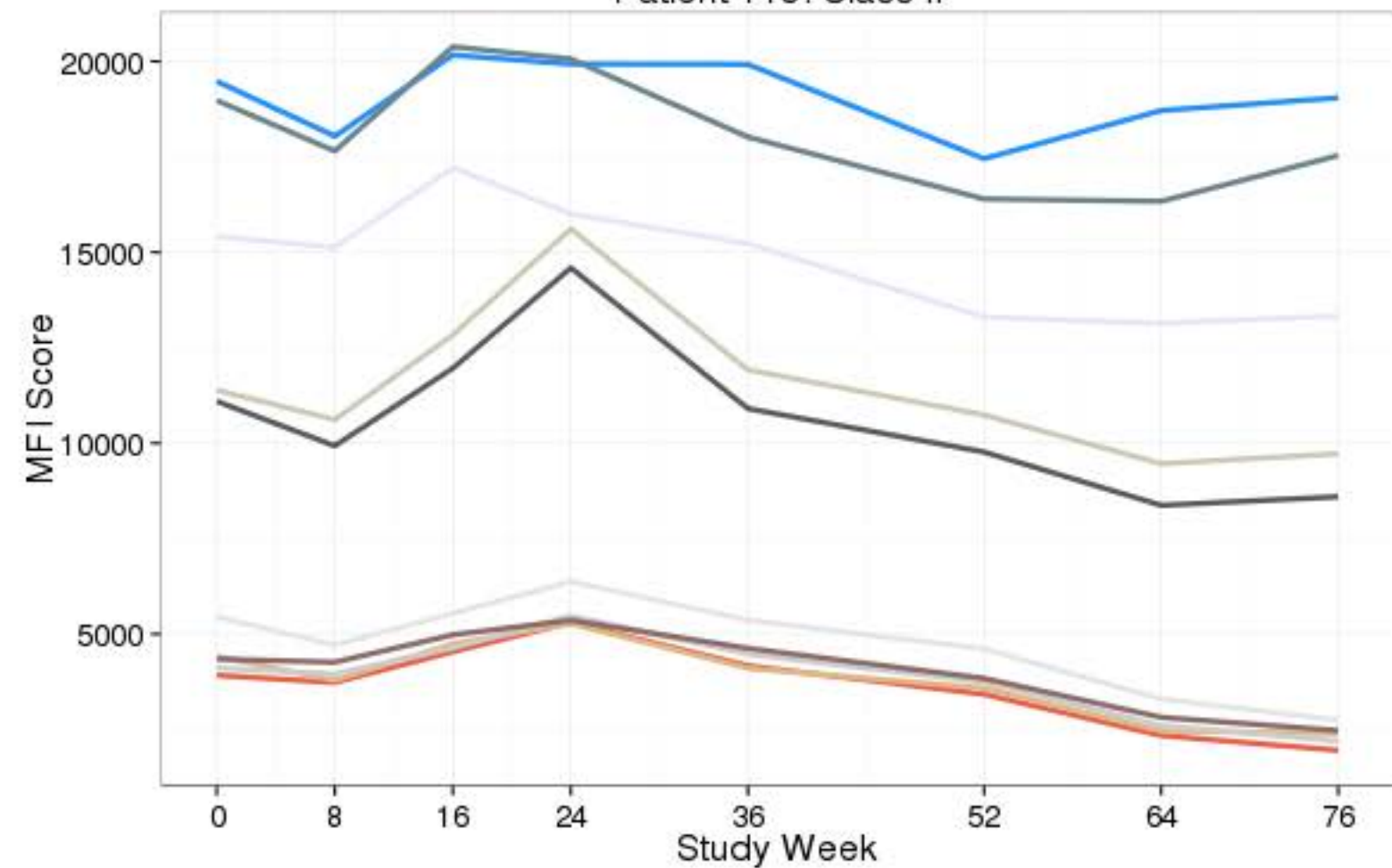
Patient 112: Class II



- | | |
|----------------------------|--------------------|
| — DQ4/DQA1*03:03DQB1*04:01 | — DR103/DRB1*01:03 |
| — DQ5/DQA1*01:01DQB1*05:01 | — DR11/DRB1*11:04 |
| — DQ6/DQA1*01:02DQB1*06:09 | — DR12/DRB1*12:02 |
| — DQ8/DQA1*03:02DQB1*03:02 | — DR13/DRB1*13:01 |
| — DQ9/DQA1*03:02DQB1*03:03 | — DR4/DRB1*04:02 |

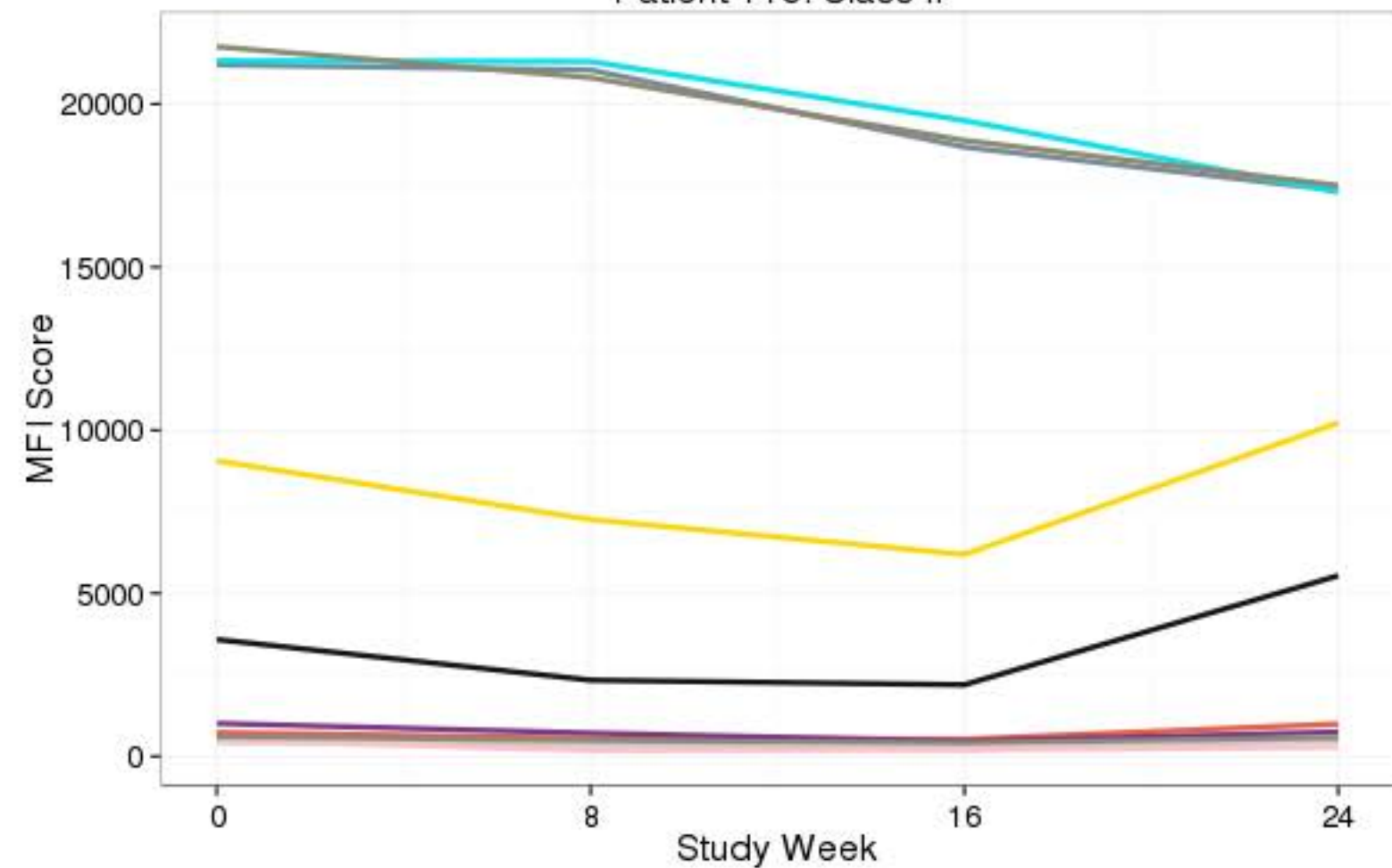
- | | |
|-----------------------------|----------------------------|
| — DP18/DPA1*02:01DPB1*18:01 | — DQ7/DQA1*05:05DQB1*03:01 |
| — DP28/DPA1*01:05DPB1*28:01 | — DQ8/DQA1*03:02DQB1*03:02 |
| — DP2/DPA1*01:03DPB1*02:01 | — DQ9/DQA1*02:01DQB1*03:03 |
| — DP3/DPA1*01:03DPB1*03:01 | — DR11/DRB1*11:04 |
| — DP4/DPA1*01:03DPB1*04:02 | — DR13/DRB1*13:03 |

Patient 113: Class II



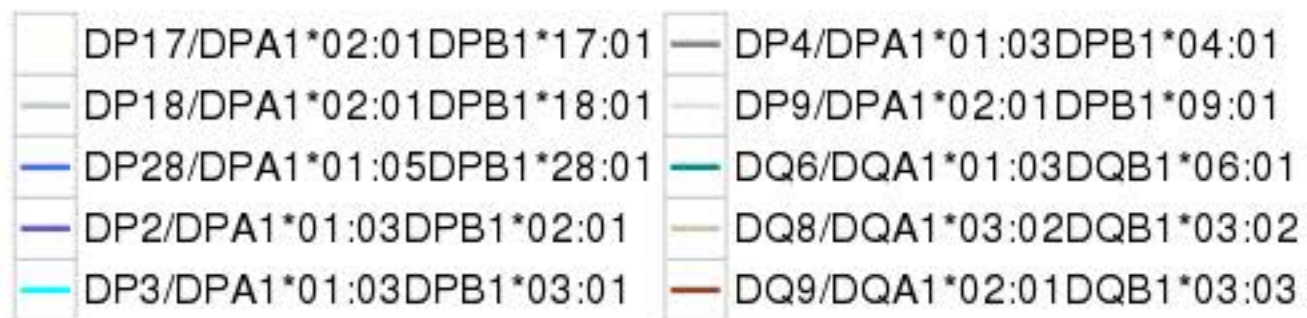
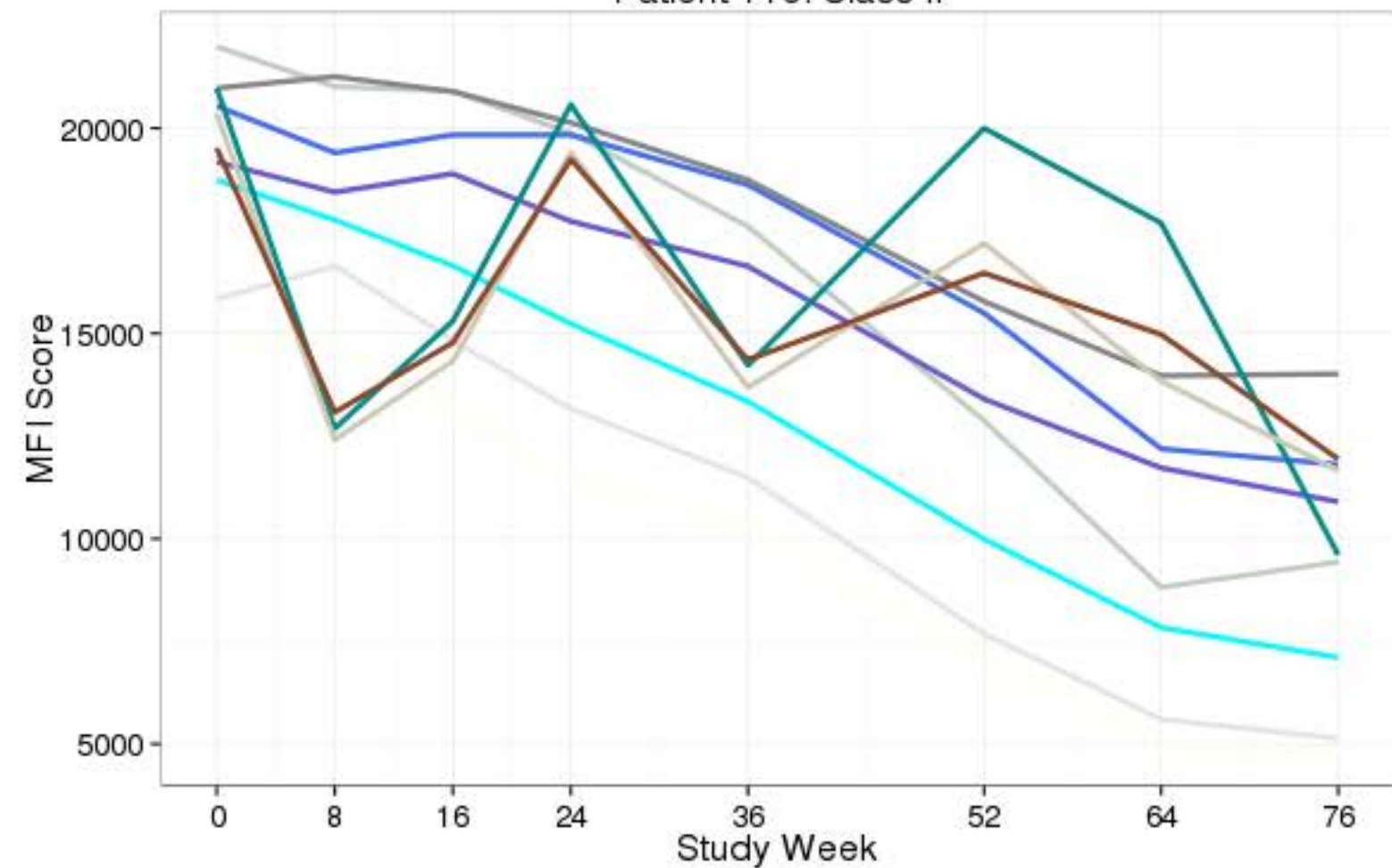
- | | |
|---------------------------|--------------------------|
| DP14/DPA1*02:01DPB1*14:01 | DQ2/DQA1*03:01DQB1*02:01 |
| DP1/DPA1*02:01DPB1*01:01 | DQ4/DQA1*04:01DQB1*04:02 |
| DP3/DPA1*02:01DPB1*03:01 | DQ7/DQA1*05:05DQB1*03:01 |
| DP6/DPA1*02:01DPB1*06:01 | DQ8/DQA1*03:02DQB1*03:02 |
| DP9/DPA1*02:01DPB1*09:01 | DQ9/DQA1*03:02DQB1*03:03 |

Patient 115: Class II

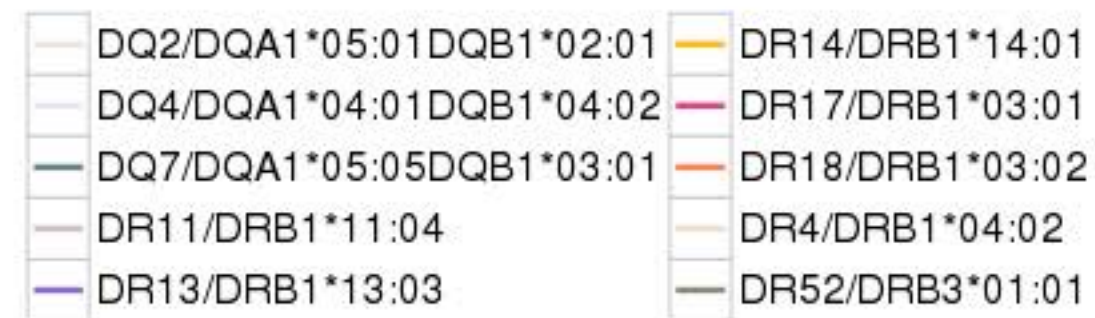
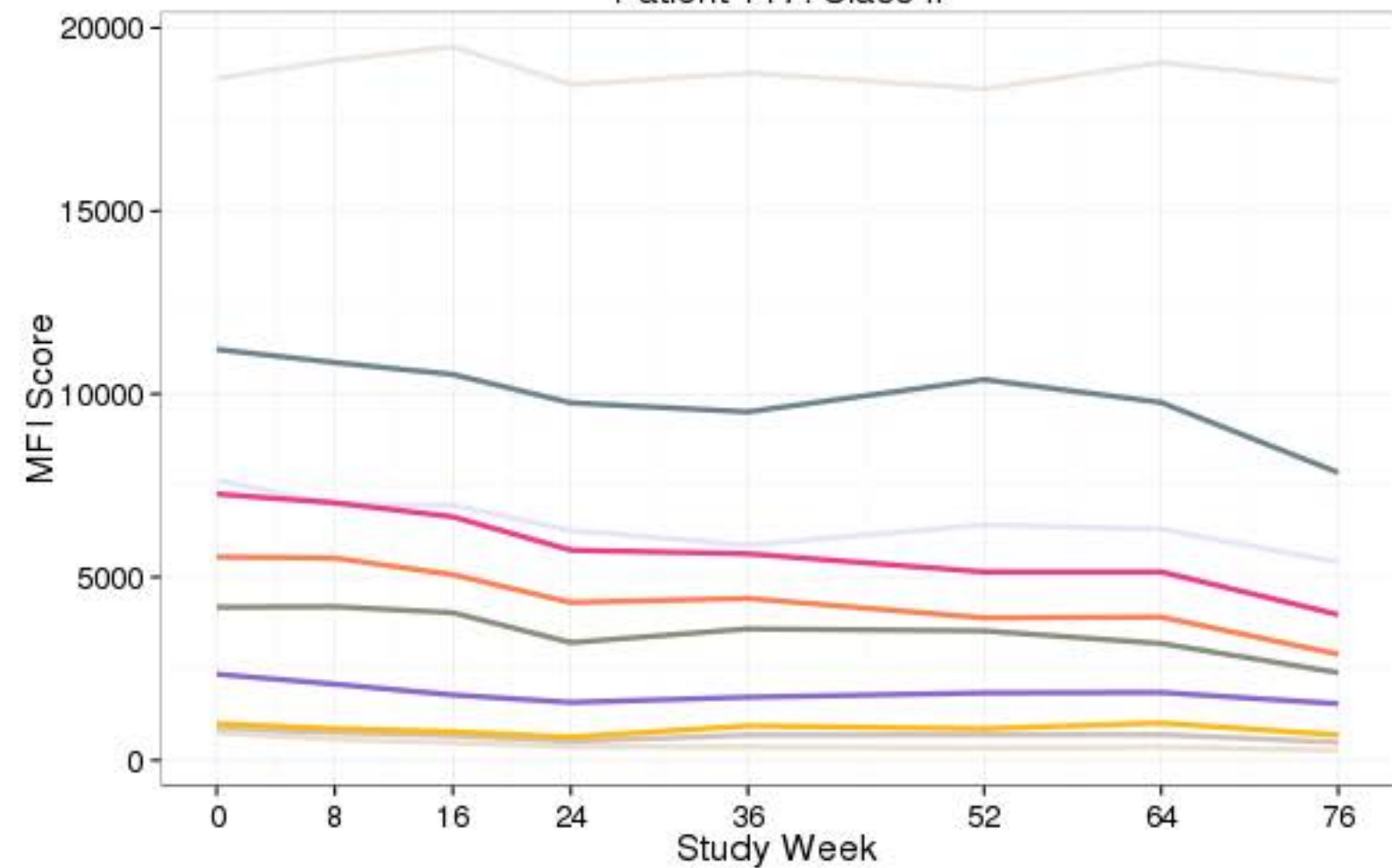


- | | |
|--------------------------|-----------------|
| DP1/DPA1*02:01DPB1*01:01 | DR14/DRB1*14:02 |
| DP3/DPA1*02:01DPB1*03:01 | DR15/DRB1*15:01 |
| DQ4/DQA1*03:03DQB1*04:01 | DR16/DRB1*16:01 |
| DQ5/DQA1*01:01DQB1*05:01 | DR51/DRB5*02:02 |
| DQ6/DQA1*01:02DQB1*06:09 | DR52/DRB3*01:01 |

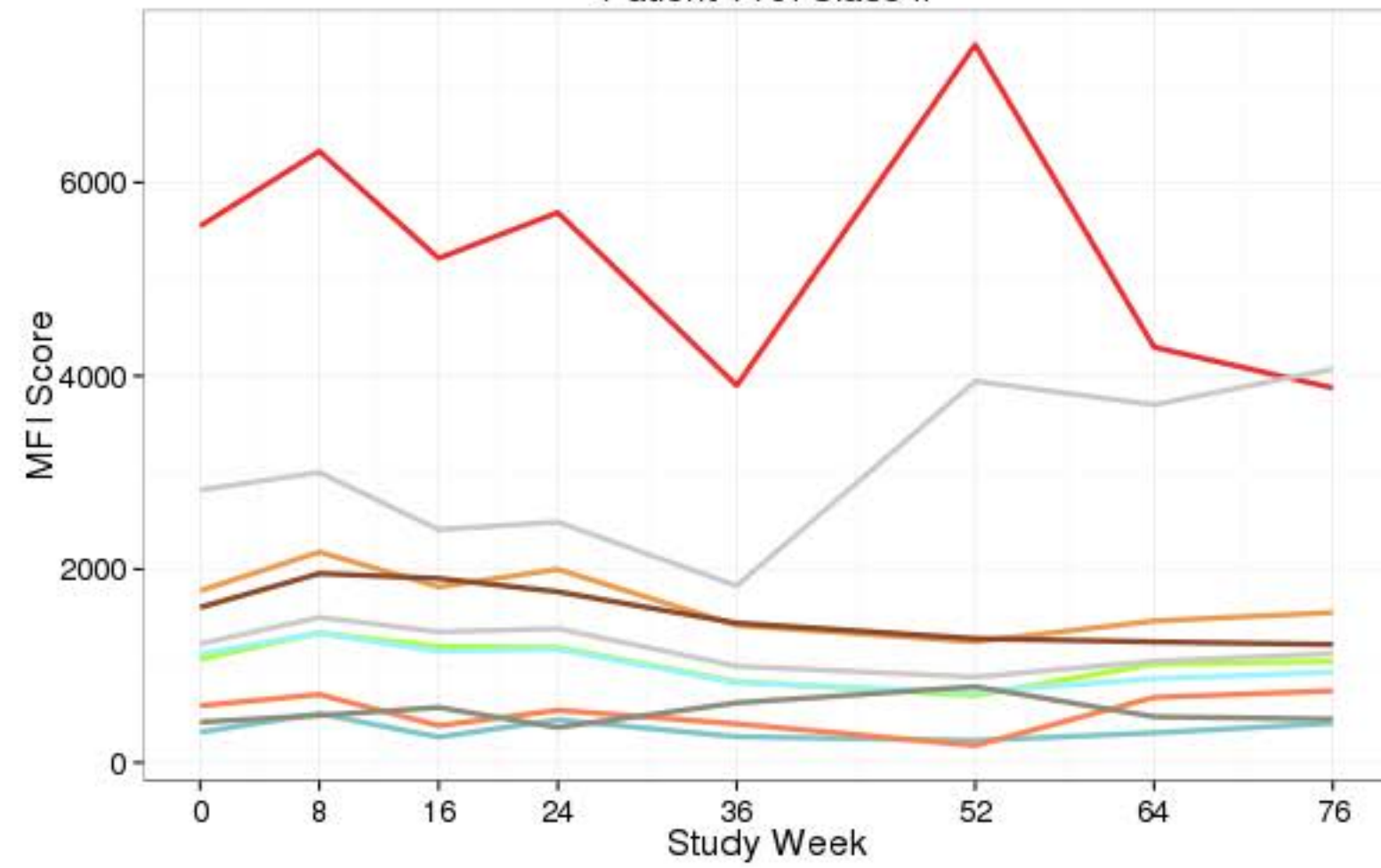
Patient 116: Class II



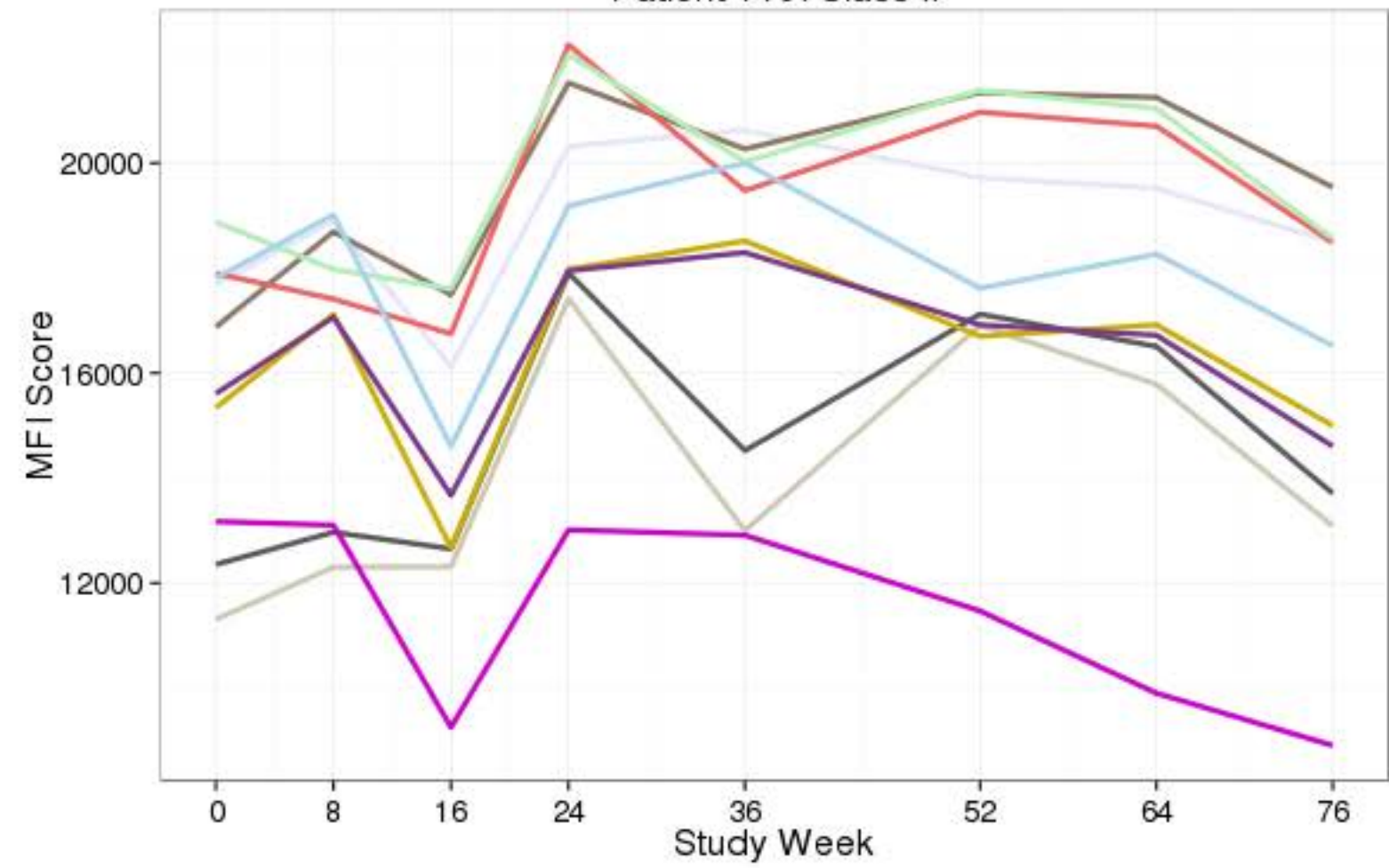
Patient 117: Class II



Patient 118: Class II



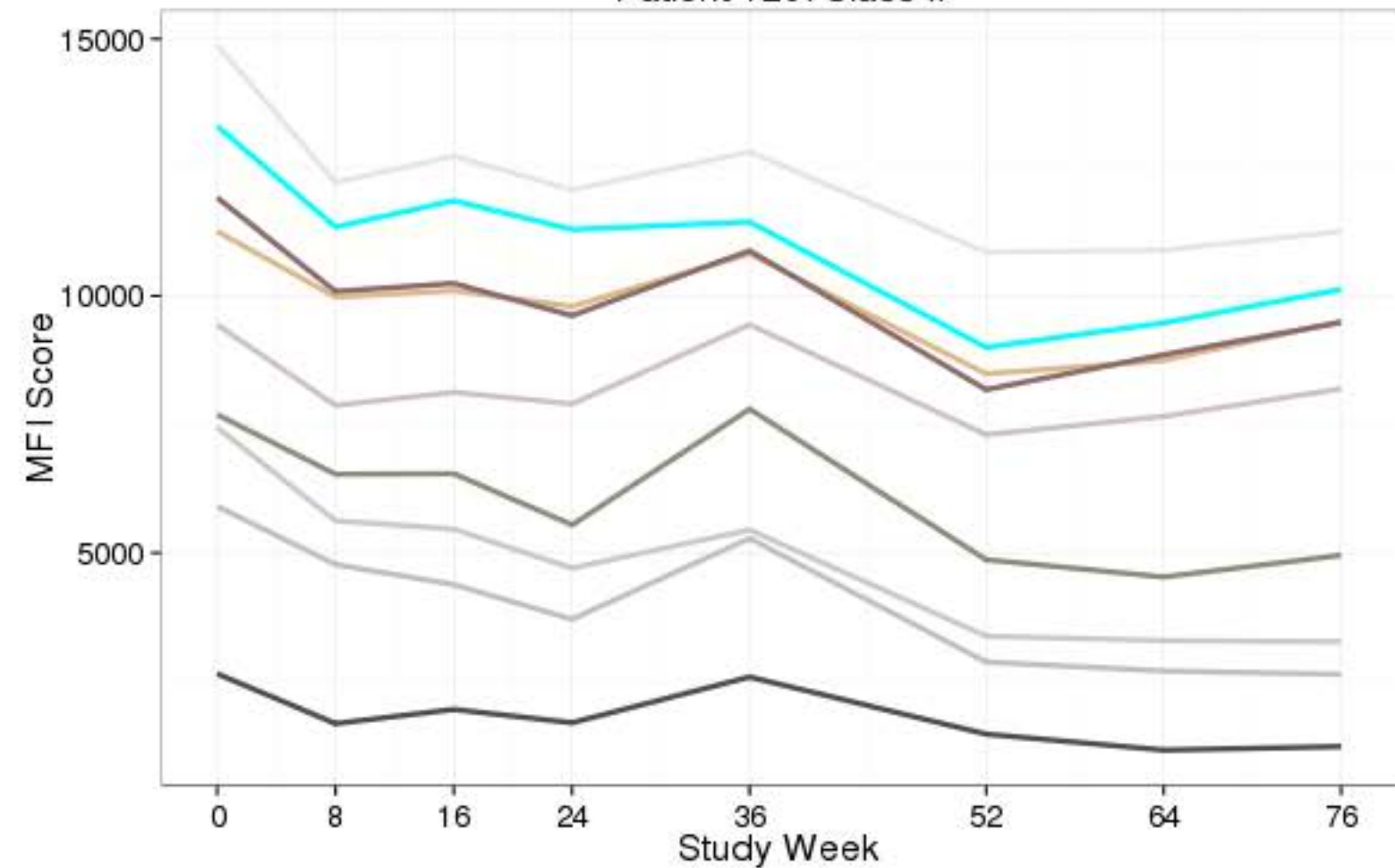
Patient 119: Class II



- | | |
|---|--|
| — DQ2/DQA1*02:01DQB1*02:02 | — DR10/DRB1*10:01 |
| — DQ4/DQA1*02:01DQB1*04:02 | — DR18/DRB1*03:02 |
| — DQ7/DQA1*02:01DQB1*03:01 | — DR52/DRB3*01:01 |
| — DQ8/DQA1*02:01DQB1*03:02 | — DR53/DRB4*01:03 |
| — DQ9/DQA1*02:01DQB1*03:03 | — DR7/DRB1*07:01 |

- | | |
|---|---|
| — DQ4/DQA1*04:01DQB1*04:02 | — DR103/DRB1*01:03 |
| — DQ5/DQA1*01:02DQB1*05:02 | — DR16/DRB1*16:01 |
| — DQ6/DQA1*01:02DQB1*06:04 | — DR1/DRB1*01:01 |
| — DQ8/DQA1*03:02DQB1*03:02 | — DR51/DRB5*01:01 |
| — DQ9/DQA1*03:02DQB1*03:03 | — DR9/DRB1*09:02 |

Patient 120: Class II



Patient 121: Class II

