**Purpose**: the following table lists pre- and post-treatment scans for each subject and the corresponding MRI sequences, that were used for the study and are publicly available

**Notation**:

* Red colour indicates scans, that were used for segmentation of inflammation, standardisation of the procedure to remove residues, model training (validation) or testing
* Black indicates scans that were used for model averaging ensemble evaluation based on visual assessment
* Hyphen indicates scans that were excluded as they correspond to the subjects, already considered in the study (segmentation or model training)

**Note:** three models were re-trained using ten T1W scans and additional data and re-evaluated based on visual assessment. Additional data include T1W scans, showing very abnormal bone (very high fat content or strong sclerosis)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Number** | **Pre-scan** | **Post-scan** | **MRI sequence** | **Used for/as/to** |
| 1 | 1234 | - | STIR, T1W | * segmentation of inflammation * model training to segment disease region (DR) |
| 2 | 6785 | 9976 | T1W | model ensemble evaluation (visual assessment) |
| 3 | - | 4386 | STIR, T1W | * segmentation of inflammation * model training to segment DR |
| 4 | 9807 | 4109 | T1W | model ensemble evaluation (visual assessment) |
| 5 | 5489 | 1897 |
| 6 | 7777 | 8888 |
| 7 | 6767 | 9090 |
| 8 | 1001 | - | T1W | ***additional training data*** |
| 9 | 1003 | - | STIR, T1W | * segmentation of inflammation * **test data to evaluate model ensemble** |
| 10 | 1005 | 1006 | T1W | model ensemble evaluation (visual assessment) |
| 11 | 1007 | - | STIR, T1W | * segmentation of inflammation * model training to segment DR |
| 12 | 1009 | 1010 | T1W | model ensemble evaluation (visual assessment) |
| 13 | - | 1012 | STIR, T1W | * segmentation of inflammation * model training to segment DR |
| 14 | 1013 | - | STIR, T1W | * segmentation of inflammation * model training to segment DR |
| 15 | - | 1016 | STIR, T1W | * segmentation of inflammation * model training to segment DR |
| 16 | 2001 | 3001 | T1W | model ensemble evaluation (visual assessment) |
| 17 | - | 3002 | STIR, T1W | * segmentation of inflammation * model training to segment DR |
| 18 | 2003 | 3003 | T1W | model ensemble evaluation (visual assessment) |
| 19 | 2004 | 3004 |
| 20 | 2005 | 3005 |
| 21 | 2006 | 3006 |
| 22 | 2007 | 3007 |
| 23 | 2008 | 3008 |
| 24 | - | 3009 | T1W | ***additional training data*** |
| 25 | 2010 | 3010 | T1W | model ensemble evaluation (visual assessment) |
| 26 | 2011 | 3011 |
| 27 | 2012 | 3012 |
| 28 | 2014 | - | STIR, T1W | * *standardise the procedure to remove residues* * **test data to evaluate model ensemble** |
| 29 | 2015 | - | STIR, T1W | * *standardise the procedure to remove residues* * model training to segment DR |
| 30 | 2016 | - | T1W | ***additional training data*** |

**In total:**

|  |  |  |
| --- | --- | --- |
| **Purpose** | **Number of subjects** | **Number of scans** |
| Manual segmentation of inflammatory lesions (initial dataset) | 8 | 8 |
| Semi-automated segmentation of inflammatory lesions  (Initial dataset + scans to standardise the procedure to remove residues) | 8 + 2 | 8 + 2 |
| Final model training to segment disease region  (Initial dataset + scans to standardise the procedure + additional data) | 8 + 2 + 3 | 8 + 2 + 3 |
| Model ensemble evaluation based on visual assessment | 17 | 34 |