

## 3T MRI PROTOCOLS

Protocol Name: **FOREFOOT ROUTINE**

Body Part: **FOOT**

Coil: **MEDIUM FLEX COIL**

| Sequences                  | Seq Name | Image Plane | # Slices | TR   | TE   | Slice Thick | FOV | NSA | Matrix | Phase Dir |
|----------------------------|----------|-------------|----------|------|------|-------------|-----|-----|--------|-----------|
| Axial Localizer            | gre      | Axial       | 5        | 7.8  | 3.69 | 6           | 350 | 1   | 256    | A>P       |
| 3 Plane Localizer          | gre      | 3 Plane     | 9        | 7.3  | 3.6  | 6           | 280 | 1   | 256    | R>L       |
| Axial T1 FS (to forefoot)  | tse      | Axial       | 36       | 750  | 10   | 3.5         | 120 | 2   | 320    | A>P       |
| Axial T2 FS (to forefoot)  | tse      | Axial       | 36       | 3500 | 50   | 3.5         | 120 | 1   | 384    | A>P       |
| Sag T1                     | tse      | Sagittal    | 27       | 650  | 16   | 3.5         | 160 | 1   | 320    | A>P       |
| Sag T2 FS                  | tse      | Sagittal    | 23       | 3500 | 46   | 3.5         | 160 | 1   | 384    | A>P       |
| Cor T2 FS (Plantar/Dorsal) | tse      | Coronal     | 23       | 3500 | 46   | 3.5         | 160 | 1   | 384    | R>L       |
| Cor T1 (Plantar/Dorsal)    | tse      | Coronal     | 23       | 700  | 10   | 3.5         | 160 | 1   | 384    | R>L       |
| <b>Optional</b>            |          |             |          |      |      |             |     |     |        |           |
| Coronal STIR               | tse      | Coronal     | 23       | 3930 | 41   | 3.5         | 160 | 2   | 320    | R>L       |
| Sag T2 ISO                 | trufi    | Sagittal    | 256      | 8.29 | 3.61 | 0.4         | 140 | 1   | 320    | A>P       |