

# Dr Mark Goodwin MRI Liver protocols

## **MRCP**

Ax T2FS (thick)  
Ax T1 Dixon (IP/OP)  
Ax DWI free breathing (b50/400/800) + ADC  
Ax MRCP T2FS HASTE (thin)  
Coronal T2 HASTE  
Coronal thick slab 2D MRCP (multiple angles)  
Coronal 3D MRCP

## **Basic Post contrast Liver (ECCM)**

Ax T2FS  
Ax T1 Dixon IP/OP  
Ax T1FS precontrast  
Ax T1FS arterial or triple arterial  
Ax T1FS portal phase  
Ax T1FS late venous phase  
Subtracted Ax T1FS post contrast arterial phase  
Ax DWI free breathing (b50/400/800) +ADC  
Coronal T2 HASTE  
Coronal thick slab 2D MRCP (multiple angles)

## **Basic Post contrast Pancreas (ECCM)**

As post contrast liver but arterial phase(s) delayed by 8 secs +  
Ax MRCP T2FS HASTE (thin) +Coronal 3D MRCP

## **Primovist Liver Cirrhosis/HCC**

Ax T1 Dixon IP/OP  
Ax T2FS  
Coronal thick slab 2D MRCP (multiple angles)  
Ax T1FS precontrast  
Ax T1FS arterial or triple arterial  
Ax T1FS portal phase  
Ax T1FS transitional phase  
Subtracted Ax T1FS post contrast arterial phase  
Coronal T2 HASTE  
Ax DWI free breathing (b50/400/800) +ADC  
Ax T1FS HPB 15 min delay (Flip angle 30)  
Ax T1FS HPB 20 min delay (Flip angle 30)  
Cor T1FS HPB 20 min delay (Flip angle 30)

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## **Primovist Liver FNH/HA**

Ax T1 Dixon IP/OP

Coronal thick slab 2D MRCP (multiple angles)

Ax T1FS precontrast

Ax T1FS arterial or triple arterial

Ax T1FS portal phase

Ax T1FS transitional phase

Subtracted Ax T1FS post contrast arterial phase

Ax T2FS

Coronal T2 HASTE

Ax DWI free breathing (b50/400/800) +ADC

Ax T1FS HPB 10 min delay (Flip angle 30)

Ax T1FS HPB 15 min delay (Flip angle 30)

Cor T1FS HPB 15 min delay (Flip angle 30)

## **Primovist Liver Pre Metastasis Resection**

Ax T2FS

Ax T1 Dixon IP/OP

Ax T1FS precontrast

Ax T1FS arterial or triple arterial

Ax T1FS portal phase

Ax T1FS transitional phase

Subtracted Ax T1FS post contrast arterial phase

Ax DWI free breathing (b50/400/800) + ADC

Coronal T2 HASTE

Ax T1FS HPB 15 min delay (Flip angle 30)

Ax T1FS HPB 20 min delay (Flip angle 30)

Cor T1FS HPB 20 min delay (Flip angle 30)