











MRI Service Manual

2025: Version 18















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Service Overview

During 2017, ACC and the Northern Consortium worked in partnership to test the idea that High Tech Imaging (HTI) could be safely requested by General Practice, and that with the support of clinical guidelines, we could expedite clients getting the necessary and appropriate health intervention to recovery from musculoskeletal injuries.

Through collaborative co-design the pathway and enablers for this model have been developed, tested and refined since the project was initiated in February 2017. Interim results indicate that:

- The time to definitive diagnosis for clients requiring and MRI for a shoulder, knee or back injury has been reduced by an average of 16 working days
- A 'First Specialist Appointment' is avoided, and
- A proportion of clients are no longer referred to a specialist for further assessment after diagnosis

Based on the success of the 2017 POC in Auckland, ACC would like to implement HTI referrals direct from General Practice to:

- A greater number of GPs in the Auckland region, and
- Additional PHOs within New Zealand

We will support this through:

- Continued clinical audit and governance
- A robust quality assurance framework
- Providing support to improve the health literacy of clients

In 2021, ACC has contracted ProCare to utilise the same referral pathway in general practices across the regions nationally in partnership with Pinnacle Midlands Health Network. This new contract has been amended to reflect following changes:

- Accreditation now at individual GP level (previously at practice level whereas one accredited GP enables the whole practice to use the pathway)
- Removal of shoulder option

Key Points







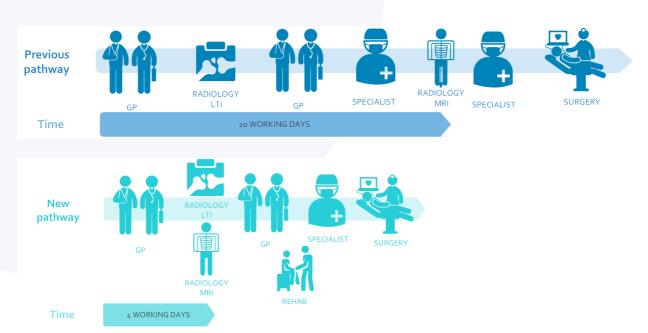








What is different in the pathway?



Clinical Pathways

The four clinical pathways used in the High-Tech Imaging (HTI) Client Pathway pilot have been adapted for primary care from the current ACC Guidelines and the New South Wales Primary Care Guidelines with collaboration from GPs, ACC, Mercy Radiologists and sports specialists.

The pathways have been refined with general practice during the pilot and this service handbook contains the latest version of the clinical pathways. The most up to date pathways will be included on the MRI referral form. The High-Tech Imaging (HTI) clinical pathways are limited to:

- Cervical Spine Injury
- Lumbar Spine Injury
- Post Traumatic Knee Pain

Patient Eligibility:

- The client is 16 years or over;
- Informed consent has been given for referral, either by competent client or by the person who has the legal right to make decisions on the client's behalf;
- The client has an injury to the cervical spine, lumbar spine or knee that meets the criteria outlined in the GPMRI Clinical Pathways;
- The client has been assessed by the GPMRI Trained GP/NP as suitable for MRI Referral; and:
- The date of the Claim Lodgment with ACC is not greater than six months



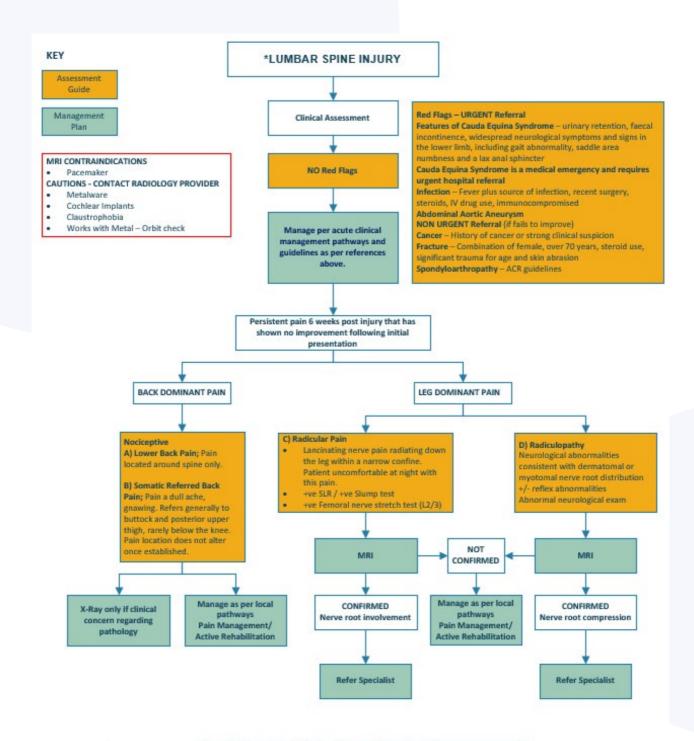


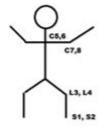












Nerve	Manual Muscle Testing	Nerve	Dermatome Site	
L2/L3	Hip flexion	L2	Lateral aspect upper thigh anteriorly	
L3/L4	Knee extension	L3	Medial thigh anteriorly above knee	
L4/L5	Ankle dorsiflexion	L4	Medial side of the lower leg or ankle	
L5/S1	Ankle plantarflexion	L5	1st web space	
L5	Great toe extension	51	Lateral aspect of the foot	
		52	Posterior aspect calf or thigh in the mid	

SLR = Straight Leg Raise Test: positive <70* with high sensitivity. Limited by leg pain and not back pain.



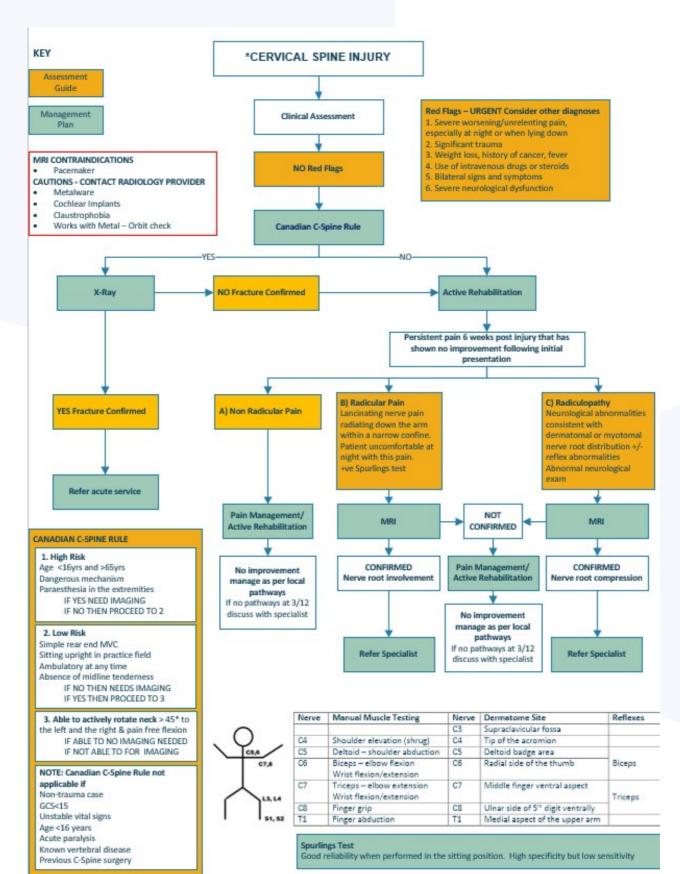
















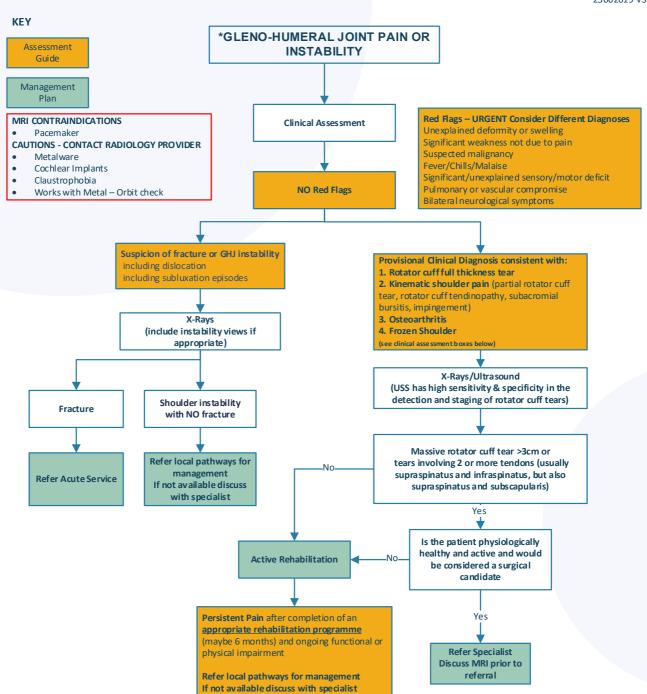








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Provisional Clinical Diagnosis consistent with:

1. Rotator cuff tear or pathology

Age >35 yrs, upper arm pain/night pain, painful arc, limited active ROM, full passive ROM, possible weakness, +ve impingement signs, limited active ROM (shoulder abduction and ER predominantly)

2. Subacromal bursitis / Impingement syndrome - is a symptom and search for an underlying cause

3. Osteoarthritis - decreased external rotation

4. Frozen Shoulder

Gradual onset, increasing severity of pain, global limitation active ROM, limited passive ROM, possible diabetic

Persistent pain:

Rotator cuff - if full thickness tear refer at 6 weeks if no improvement BUT for tendinosis / partial thickness tear refer at 6

Frozen shoulder - Specialist referral may be indicated for additional clinical management if required

Osteoarthritis - Specialist referral may be indicated for uncontrolled pain and functional limitation

Impingement Syndrome - Look for alternative causes such as ACJ pathology, rotator cuff pathology, scapulothoracic dyskinesis or altered biomechanics to explain symptoms first and then to treat prior to referral to specialist if indicated





Postero-Lateral Complex (PLC) Injury

Medial Collateral Ligament (MCL) Injury

Lateral Collateral Ligament (LCL) Injury

Rare but associated with other ligamentous injuries in particular LCL rupture - needs referral

Injury mechanism - valgus stress, often from a lateral force to the knee Symptoms – Pain, swelling and feeling of instability
Signs - Effusion, Laxity on valgus stress test in 30* knee flexion Laxity on valgus stress test in extension indicates higher degree of injury

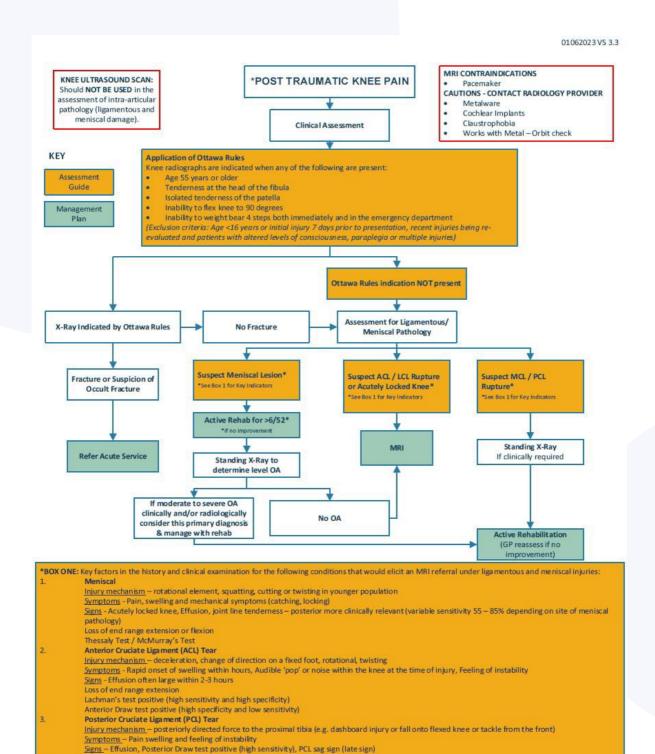
Laxity on varus stress in extension and in 30* knee flexion























Quality Assurance

The ACC direct access for primary care to MRI is enabled by a quality assurance programme that has the following principles:

- Education is general practice focused and decision supports primary care clinical pathways
- Accreditation for GPs via the annual updates and participation in the quality assurance data collection of referral and clinical information that has associated 10 CQI points
- Data collection and analysis including referral and report data
- Feedback and benchmarking to practices, general practitioners and radiology providers via a utilisation report which is accredited for CPD points by the NZ College of GPs (see Appendix Four)









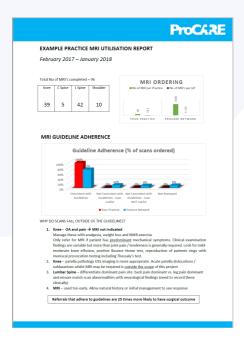


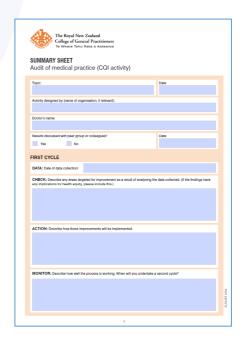




NZCGP CQI Audit Points

This utilisation report is approved by RNZCGP for CME points and is generated annually as part of the quality assurance programme.





Accessing the HTI GP Utilisation report for CQI point claiming

- 1. Login to the members website where this is hosted https://members.procare.co.nz
- 2. Click 'reports' from the top bar menu (normal reports area for clinical / reports)
- 3. Click 'Clinical' drop down and select 'GP HTI referrals'
- 4. To get the patient details click 'click pt list' button.



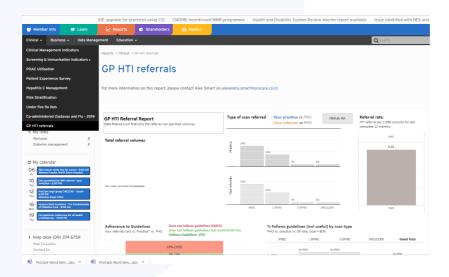












Education







The sessions are practical musculoskeletal assessment sessions led by sport specialists and sport physios. The assessment techniques useful in a GP setting are practiced, along with how to utilise the clinical pathways. This training along with the online education is eligible for 3 Professional Development points.

Refresher training is available, this can be completed online via the Learn modules mentioned below, or via virtual meeting upon request.









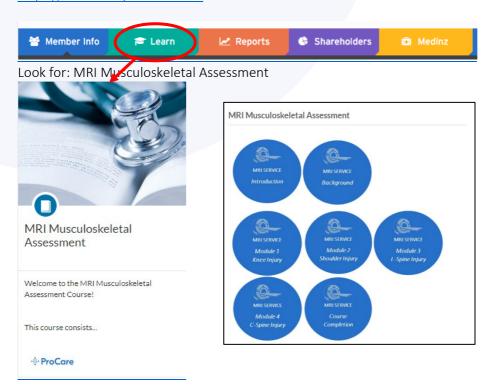




Online Education

The ACC MRI education programme is supported by a full online learning module which is available via the members website/LEARN section. Videos of all the examinations and a breakdown of the clinical pathways are provided along with CME points.

For ProCare members, the online learning course can be accessed via the members website at https://members.procare.co.nz



All other users can access via URL: www.procareeducation.co.nz/browse/mri Click 'Enrol' and create yourself an account,



If you are having trouble accessing the course, please contact mrienquiries@procare.co.nz.













MRI E-Referral User Guide

2025















MRI E-Referral User Guide

This MRI e-referral guide shows you how to order an MRI for an ACC injury client. The use of this form requires you to be accredited through the GP MRI accreditation programme.

The contract to use this service with ACC requires the GP to maintain an above 70% compliance rate with the clinical pathway.

At the end of the guide there is a quick 'cheat sheet' to use as a reference.

Making a Referral Step One

Press Shift + F3 and the new form tab will appear, select Profusion

OR click on the Profusion icon MedTech-32 Procare Health Ltd - Training Laptops [Terminal] File Edit Patient Module Report Tools Utilities Setup ManageMyHealth ConnectedCare CBIT CAT Window Help Support Chat MOUSE Mickey (130368.1) A3 - R+ **ZZZ8238** 14 Memorial Avenue, Mt Roskill 10 Oct 1940 80 yrs Maori - NZ Patient Dashboard V4 ProCare (Procon Limited) _ B X Web New Patient Form Clinical Information Medical Warnings No allergies or warnings recorded. Select the form type to create for this patient :-Recalls Zoster Vaccine 65Y (Auto Recall) Palliative Pathway Activation Flu 65+ (Auto Recall) Palliative care claim form 3M Imm 2020 Patient Dashboard V4 ProCare ToExtra Launchpad 2.8 Staging Screening and Monitoring ProExtra Launchpad 3.1 Alcohol Consumption Light drinker - 1-2u/day - Update Required ProExtra Palliative Care Advance Care Plan Consider Advance Care Plan: Heart Failure and Age Profusion Refugee Health **Body Measurements** 178.0cm 69.0kg BMI: 21.8 (Normal) WC: 105cm bestpractice - AUDIT Blood Pressure 110/60 bestpractice - CKD Flu Vaccination Recommended (age) H My Forms ⊕ ProCare Shingles Vaccine Shingles vaccine not given ⊕ Predict Tetanus in a Auckland District Health Board Smoking Status Current Smoker; Update status today Smoking Cessation Falls Risk Assessment Risks identified - referred to Community Strength Cancel and Balance







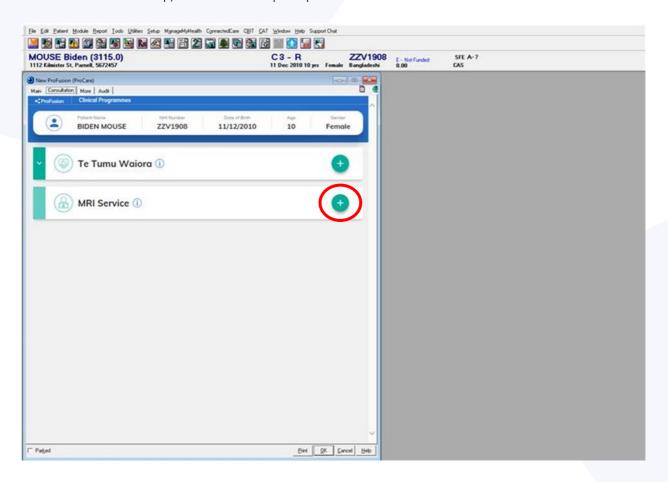






Step Two

Profusion form comes up, select the + to open up MRI service form









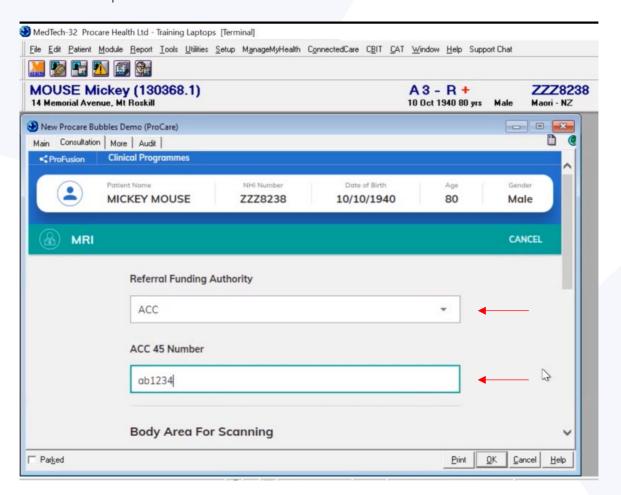






Step Three

Select ACC and put in the ACC 45 number









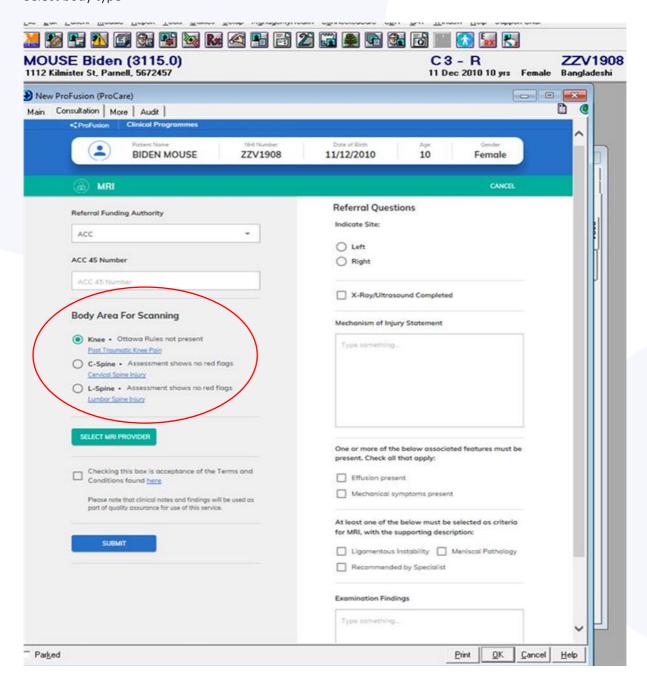






Step Four

Select body type









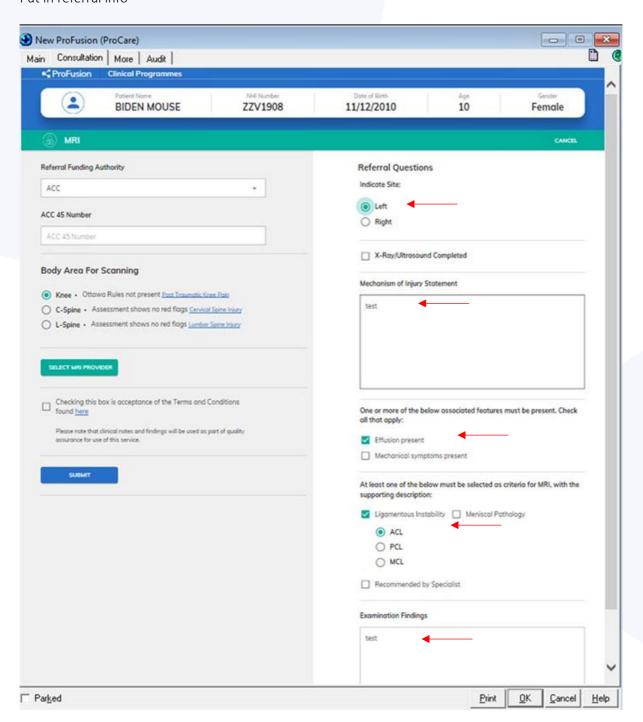






Step Five

Put in referral info









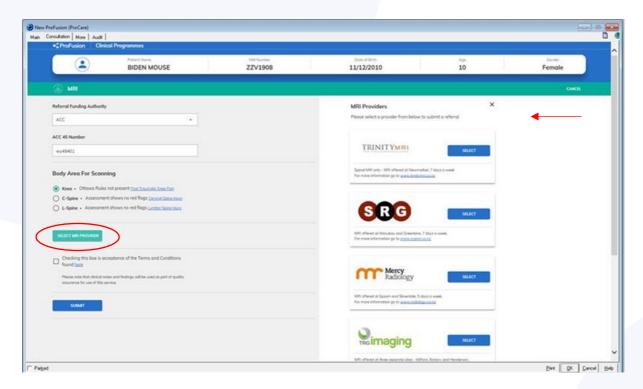






Step Six

Select MRI provider and the list of radiology options for referral will pop up.









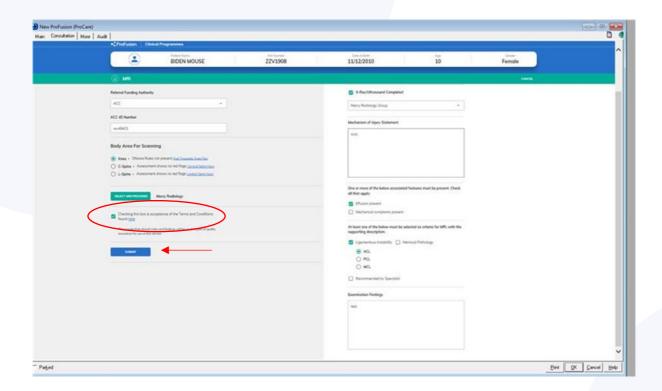






Step Seven

Tick the Terms and Conditions before submitting, then click Submit









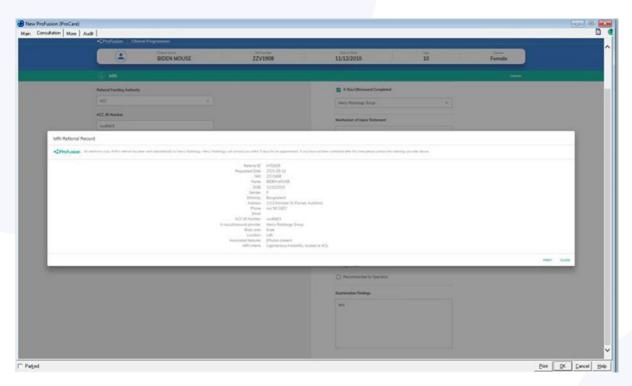






Step Eight

Referral record will pop up and say referral successful (this can be printed for patient to take home if they want a copy)









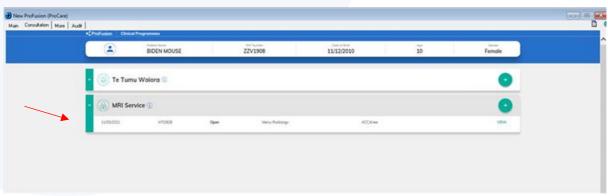




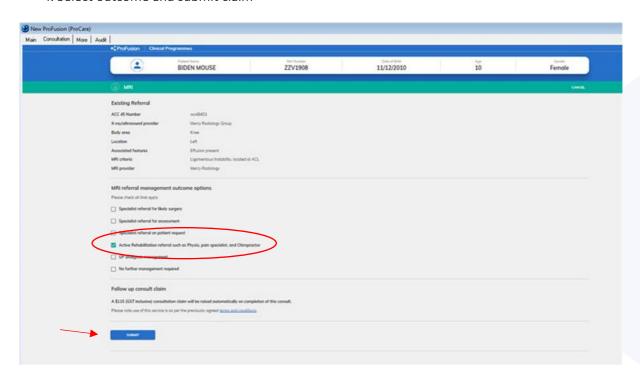


Submitting Outcome and Claiming

- 1. Go back to the Profusion form per above
- 2. Click on the dropdown and the previous open referrals will appear
- 3. Select the patient



4. Select outcome and submit claim















MRI Ordering Cheat Sheet

MRI Ordering Cheet Sheet Your form for ordering has now been installed on your PMS. Please contact Help Desk (09) 374 6759 option 1 for support if you need assistance with using the form.

MRI Referral Steps

IVIIVI IVC	ivini hereitai Steps					
	MedTech	MyPractice	Indici			
STEP 1	Shift F3	Shift F2	Select the patient and open the patient record			
STEP 2	Click on 'ProCare Services' OR select Profusion icon	Click on 'Clinical Notes' Click 'Forms' Click on 'ProCare Services' OR select Profusion icon	Select Profusion icon			
STEP 3	Fill in ACC Number and X-Ray details	Fill in ACC Number and X-Ray details	Fill in ACC Number and X-Ray details			
STEP 4	Then select body site and the relevant screen will show	Then select body site and the relevant screen will show	Then select body site and the relevant screen will show			
STEP 5	Fill in information and submit request (Note: The referral is automatically sent to the selected Radiology provider for MRI referral). This is saved to the Patient Inbox.	Fill in information and submit request (Note: The referral is automatically sent to the selected Radiology for MRI referral). This is saved to the 'Notes' and 'Results' tab	Fill in information and submit request (Note: The referral is automatically sent to the selected Radiology for MRI referral). This is saved in the patient outbox and timeline.			
STEP 6	The voucher will appear. Click print on the voucher and give a copy to patient.	The voucher will appear. Click print on the voucher and give a copy to patient.	The voucher will appear. Click print on the voucher and give a copy to patient.			

MRI Follow-up Consultation Steps

	MedTech	MyPractice	Indici
STEP 1	Open Patient in PMS, reopen advanced form and follow-up consult form automatically appears, you need to be a GP to complete	Open Patient in PMS, reopen advanced form and follow-up consult form automatically appears, you need to be a GP to complete	Open Patient in PMS, reopen advanced form and follow-up consult form automatically appears, you need to be a GP to complete
STEP 2	Fill out information and record consult	Fill out information and record consult	Fill out information and record consult
STEP 3	The follow-up consult information claim is automatically sent to ProCare for processing. ProCare will raise a BCTI invoice automatically for the claim.	The follow-up consult information claim is automatically sent to ProCare for processing. ProCare will raise a BCTI invoice automatically for the claim.	The follow-up consult information claim is automatically sent to ProCare for processing. ProCare will raise a BCTI invoice automatically for the claim.