

Ref: FOI/GS/ID 4747

Please reply to:
FOI Administrator
Trust Management
Maidstone Hospital
Hermitage Lane
Maidstone
Kent
ME16 9QQ
Email: mtw-tr.foiadmin@nhs.net

27 June 2018

Freedom of Information Act 2000

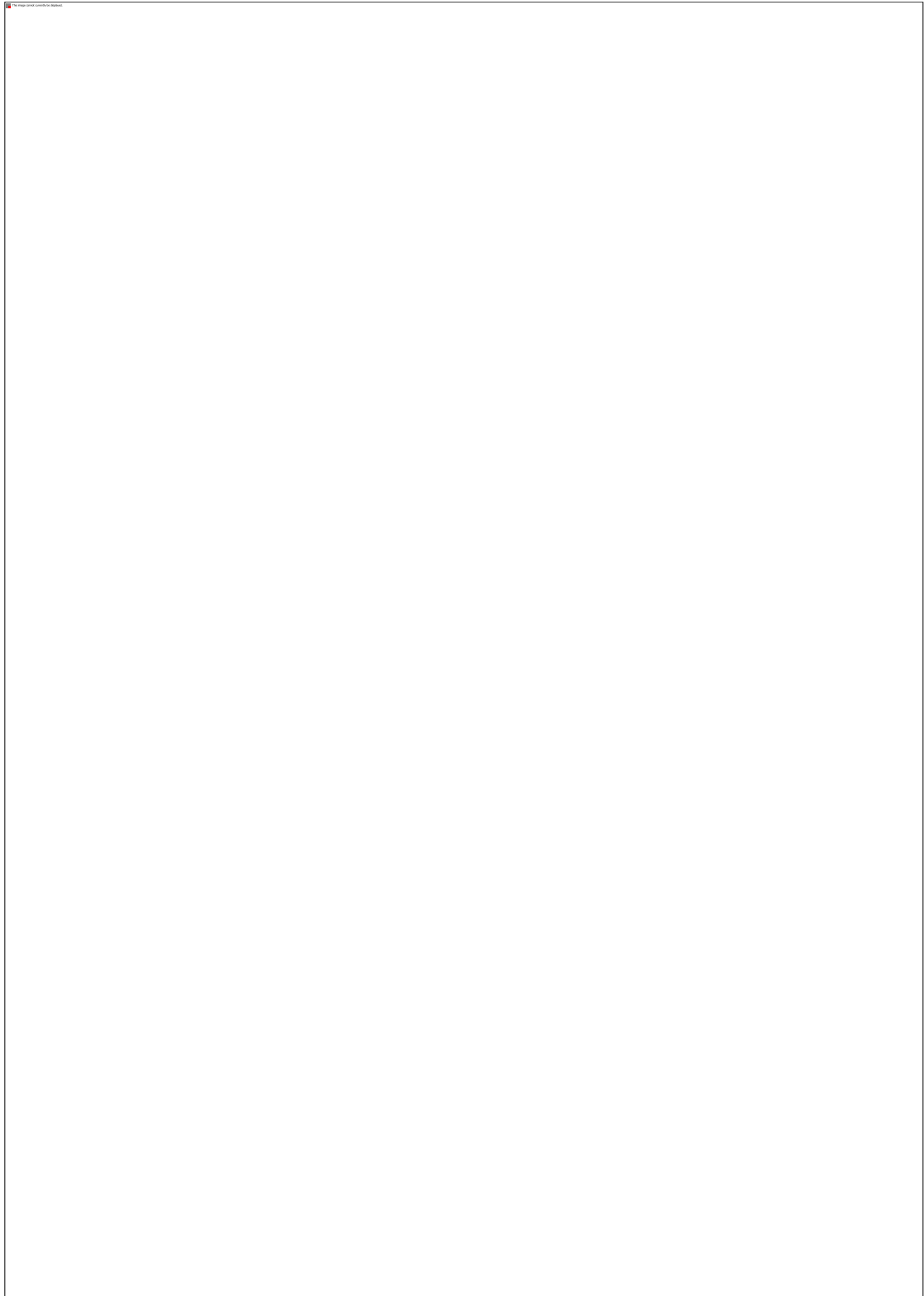
I am writing in response to your request for information made under the Freedom of Information Act 2000 in relation to Open fractures.

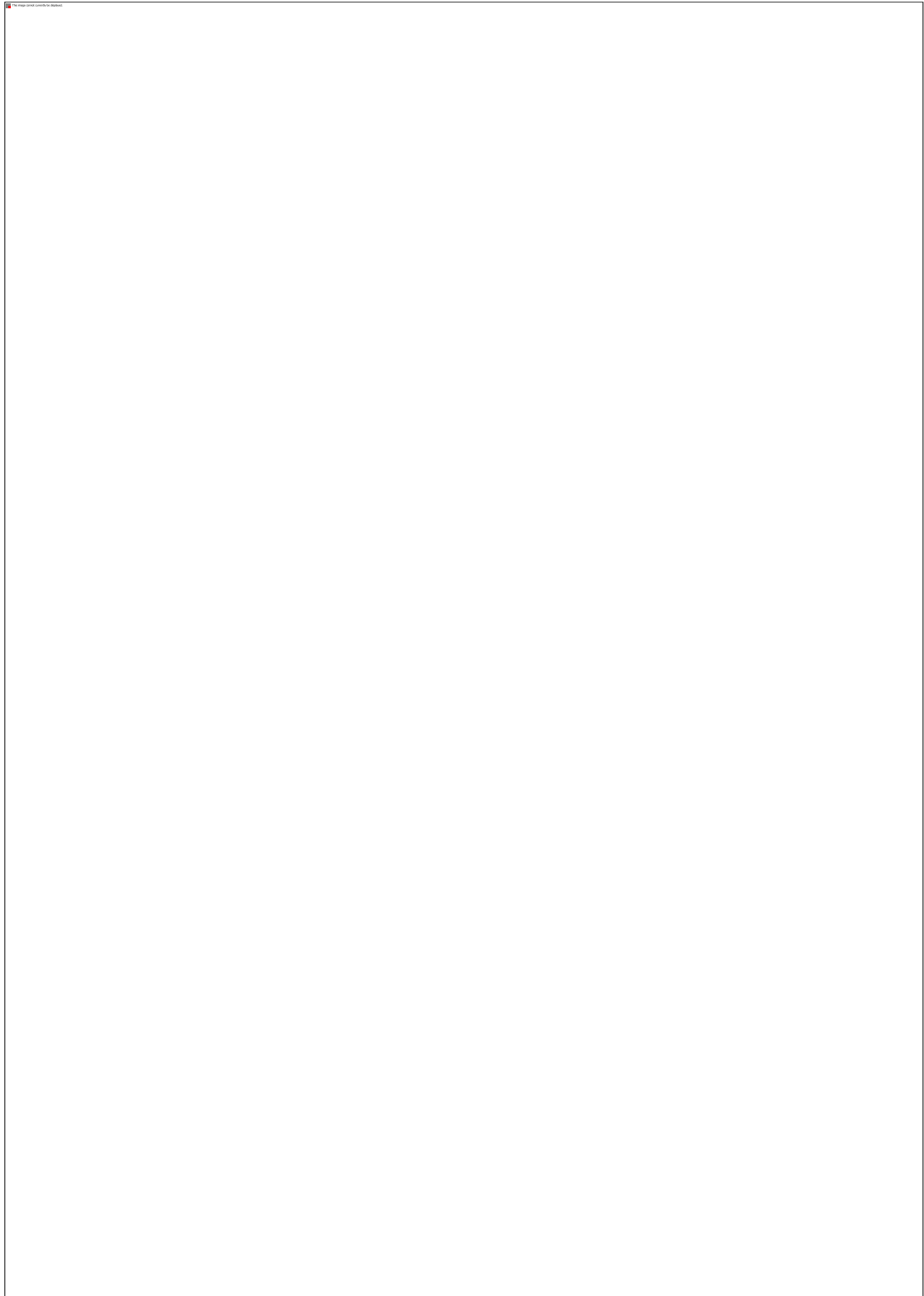
You asked:

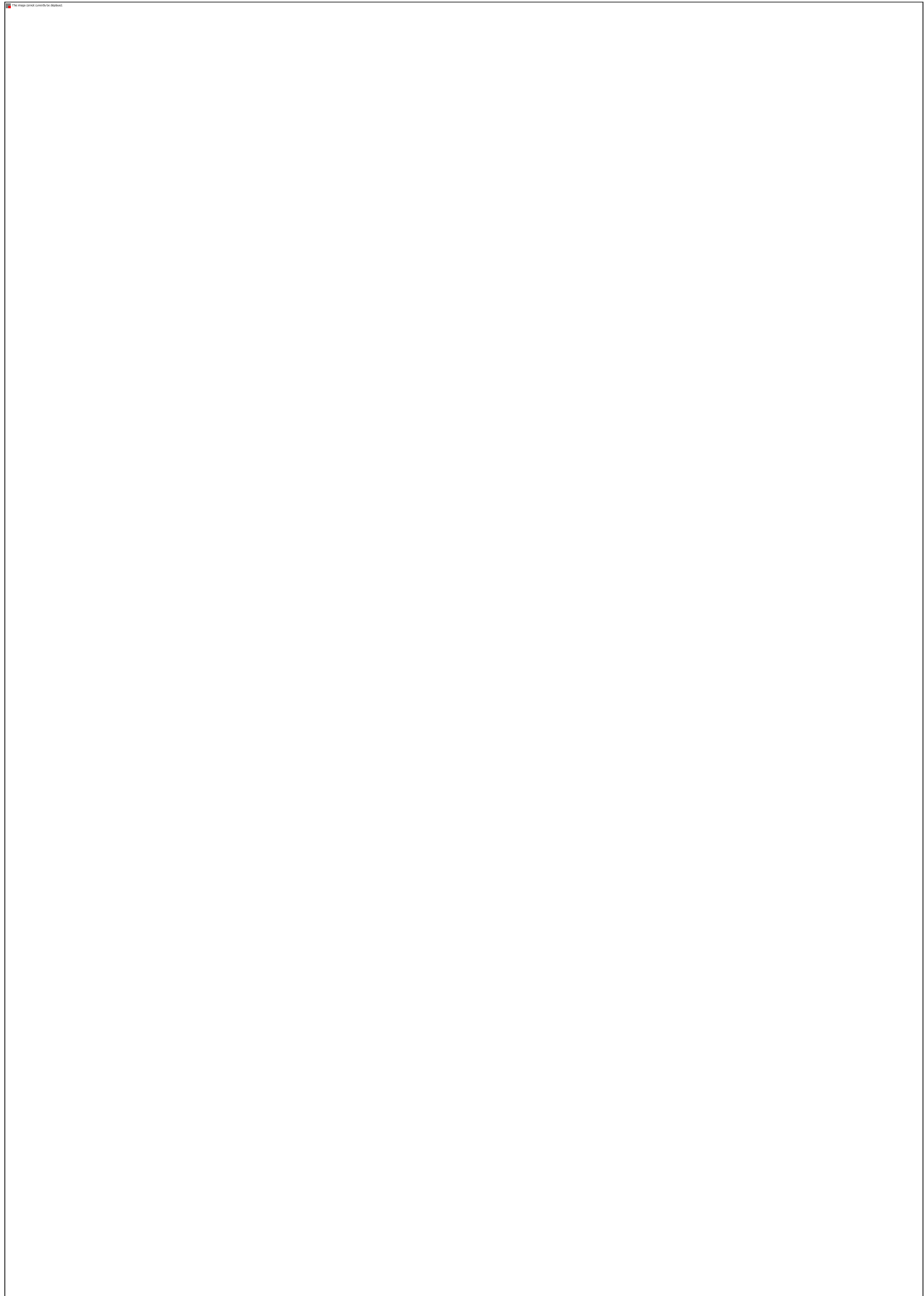
- 1. Does the Trust perform surgery for open fractures?*
- 2. Does the Trust have a specific guideline/policy regarding antibiotic prophylaxis for patients with open fractures?*
 - o If yes, please could this be emailed to me*
 - o If no, what is the commonest form of antibiotic prophylaxis (and duration) that these patients are given?*

Trust response:

1. We do perform surgery for open fractures
2. Please see the following document. The relevant details can be found on pages 13 and 14 and have been marked.







Name _____ Date of birth ____/____/____ Number _____

A&E FAST TRACK PROTOCOL

Age 60 or above

Clinical examination Neurovascular status intact

ANALGESIA PRESCRIBED AND GIVEN

AP Pelvic X-Ray Lateral Hip X-Ray


Catheter IV Fluids

Chest X-ray 12 lead ECG

Blood tests: FBC U&E

G&S Calcium

Clotting Urinalysis



REVIEWED BY ORTHOPAEDICS

On call agreed to admit by (name) _____ Time _____

Person Fast tracking _____ Signature _____

Time moved to ward _____

Pain is NOT appropriate for Fast Tracking if

- > Any evidence of acute neurovascular compromise
- > Urgent medical or other specialty review required on admission
- > Diagnosis of fractured neck of femur is in doubt

Name _____ Date of birth ____ / ____ / ____ Number _____

DEMENTIA COQIN			
Date completed		Time completed	
Form Completed By			Initials
Exclusion Applicable?		<input type="checkbox"/> No. Complete Step 1	<input type="checkbox"/> Yes. Circle relevant exclusion
Exclusions Coma, Critical illness, Severe speech and/or Language Impairment, Elective Admission, Day Case, Terminally Ill / Palliative Care			
STEP 1			
Question	Source	Response	Action
Q1 Does the patient have a known diagnosis of dementia?	<input type="checkbox"/> GP <input type="checkbox"/> Notes <input type="checkbox"/> Other (specify):	Yes	Request Antipsychotic drug review (if required).
		No	Proceed to Q2
		Not known	Proceed to Q2 & make further enquiries within 72 hours
Q2 Has the person been more forgetful in the last 12 months to the extent that it has significantly affected their daily life?	<input type="checkbox"/> Patient <input type="checkbox"/> GP <input type="checkbox"/> Carer / Relative <input type="checkbox"/> Other (specify)	Yes	Step 2 to be filled & inform Orthogeriatrician
		No	Normal Care
		Not known	Make further enquiries within 72 hours
Q3 Does the patient have a delirium?	<input type="checkbox"/> Clinical <input type="checkbox"/> Short CAM <input type="checkbox"/> Other (Specify)	Yes	Proceed to Step 2 & inform Orthogeriatrician.
		No	Normal Care
THIS FORM IS COMPLETE IF ANSWERS TO ALL 3 QUESTIONS ABOVE ARE 'NO'			
STEP 2 ASSESS & INVESTIGATE			
Investigations	Outcome		Action
Urinalysis Dipstick & MSU <input type="checkbox"/>	Dementia likely <input type="checkbox"/>	AMTs < 8 (without delirium)	Perform formal memory assessment and inform Orthogeriatrician
CXR if clinically indicated and not done recently <input type="checkbox"/>	Inconclusive <input type="checkbox"/>	In the presence of delirium	Inform Orthogeriatrician
CT/MRI brain if clinically indicated <input type="checkbox"/>	Dementia unlikely <input type="checkbox"/>	AMTs > 8	Normal care
Medication Review Done by Orthogeriatrician	Yes	Proceed to next step	
	No	Inform Orthogeriatrician & proceed to next step	
Subsequent Review within 3 months has been recommended to GP	Yes	Proceed to next step	
	No	EDN to be updated	
STEP 3 REFERRALS			
GP must be informed of the results of Step 1 & 2 in the Electronic Discharge Summary.			Check & initial here
GP information updated? (details filled in discharge summary including AMTS result)	Yes	No	
If required, has referral to Old Age Psychiatry Team been made?	Yes	No	
Has referral to Orthogeriatrician been made?	Yes	No	

Name _____ Date of birth ____ / ____ / ____ Number _____

ORTHOPAEDIC CLERKING

EPISODE DETAILS

Date patient seen	<input type="text"/>	Time seen	<input type="text"/>
Patient's location	<input type="text"/>	Referrer	GP / A&E / Ward
Clerking Doctor	<input type="text"/>	Grade of Doctor	<input type="text"/>
Usual Bleep number	<input type="text"/>	Responsible Consultant	<input type="text"/>

PRESENTING COMPLAINT(S)

Source of history (patient, relative, carers, SECAMB form etc)

Presenting complaint (s) & mechanism of fall

History of Presenting Complaint(s)

Events leading to any fall

- Clear story of trip, slip or accident,
- Palpitations, chest pain, SOB
- Aura, fit, tongue biting
- Dizzy, light headed, pale sweaty
- Other associated medical symptoms
- Unexplained loss of consciousness

Number of falls in the last 6 months = _____

Name _____ Date of birth / / Number _____

History of Presenting Complaint(s) continued



PAST MEDICAL HISTORY

- Hypertension
- Ischaemic heart disease
- Heart failure
- Hypothyroidism
- Osteoporosis
- Diabetes mellitus

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.

- 7.
- 8.
- 9.
- 10.

Name _____ Date of birth ____ / ____ / ____ Number _____

Current Medication including self-medication IN CAPITALS

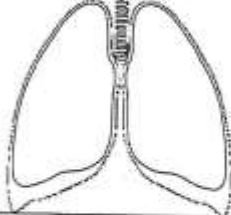
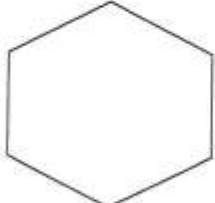
Approved name	Dose	Frequency	Indication
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
14.			
15.			
16.			
17.			

Allergies & Adverse Reactions (include details of reaction)

Name _____ Date of birth ____/____/____ Number _____

Abbreviated Mental Test Score <i>(Score Zero if unable to answer questions)</i>			
On admission ____/____/____		Post Operatively on date ____/____/____	
Age <input type="checkbox"/>		Age <input type="checkbox"/>	
Time (to nearest hour) <input type="checkbox"/>		Time (to nearest hour) <input type="checkbox"/>	
Give address to recall		Give address to recall	
(check for correct recall at end of test)		(check for correct recall at end of test)	
Year <input type="checkbox"/>		Year <input type="checkbox"/>	
Name of this place <input type="checkbox"/>		Name of this place <input type="checkbox"/>	
Identify two people <input type="checkbox"/>		Identify two people <input type="checkbox"/>	
Date of birth <input type="checkbox"/>		Date of birth <input type="checkbox"/>	
Year World War began <input type="checkbox"/>		Year World War began <input type="checkbox"/>	
Current Monarch <input type="checkbox"/>		Current Monarch <input type="checkbox"/>	
Count backwards from 20 <input type="checkbox"/>		Count backwards from 20 <input type="checkbox"/>	
Address recall <input type="checkbox"/>		Address recall <input type="checkbox"/>	
Score out of 10		Score out of 10	


Social & Mobility History			
Lives alone? <input type="checkbox"/> Yes <input type="checkbox"/> No and lives with			
Admitted from:			
<input type="checkbox"/> Own home / sheltered housing	<input type="checkbox"/> Residential home	<input type="checkbox"/> Nursing home	<input type="checkbox"/> EMI home
<input type="checkbox"/> Rehabilitation Unit	<input type="checkbox"/> Already in hospital		
<input type="checkbox"/> Stairs	Yes / No	(internal / external)	
<input type="checkbox"/> Lift	Yes / No		
<input type="checkbox"/> Toilet downstairs	Yes / No	Everything on one level?	Yes / No
Carers	<input type="checkbox"/> once daily	<input type="checkbox"/> twice daily	<input type="checkbox"/> thrice daily <input type="checkbox"/> four times daily
Mobility	<input type="checkbox"/> Unaided	<input type="checkbox"/> Walking stick	<input type="checkbox"/> Zimmer frame <input type="checkbox"/> Tripod
	<input type="checkbox"/> Wheelchair	<input type="checkbox"/> Bedbound	<input type="checkbox"/> other
Is the patient accompanied to walk indoors? Yes / No Outdoors? Yes / No			
<input type="checkbox"/> Current smoker	per day for	year	
<input type="checkbox"/> Former smoker	per day for	year	
<input type="checkbox"/> Never smoked			
<input type="checkbox"/> Alcohol	units per week		

Name		Date of birth / /		Number	
Observations and Findings:					
General appearance		Nutritional status (good / moderate / poor) <i>MUST score</i>			
Vital signs		Date & time			
BP		RR		HR	
Temp		O2 Saturation		NEW Score	
Weight		Height		BMI	
Hearing	Good	Impaired	Deaf right / left / bilateral		
Eyesight	Good	Impaired	Blind right / left / bilateral Neglect		
Glasgow Coma Scale E(4); V(5); M(6) _____ / 15 (AMTS above –if confused GCS will be ≤14)					
Cardio Vascular System					
Respiratory System					
Abdomen		 <p style="text-align: right;">PR examination:</p>			
		Catheter: This admission / Long term			
Hip Examination		Circulation normal <input type="checkbox"/> Sciatic nerve normal <input type="checkbox"/> Shortened <input type="checkbox"/> Externally rotated <input type="checkbox"/>		Skin intact <input type="checkbox"/> Sensation <input type="checkbox"/> Abnormalities noted:	
Cranial Nerves		II III / IV / VI VII VIII		Visual fields IX X XI XII	

Name _____ Date of birth ____ / ____ / ____ Number _____

Peripheral Neurology	RUL	LUL	RLL	LLL
Tone				
Power				
Sensation				
Reflexes				

Pulses



Pressure Areas

Grading of any existing wounds

RELEVANT LEGAL INFORMATION

Mental Capacity Act (MCA)

Does the patient have an abnormality of brain or mind that could affect their ability to make decisions about medical treatment for themselves? YES / NO

Are you concerned the patient does not have the mental capacity to make the decision that needs to be made? YES / NO

If the answer is yes to the above questions, then you must complete the Trust MCA assessment form and then follow the best interest processes in line with the MCA and a Consent Form 4 should be completed.

Has the patient made an advance decisions to refuse specific medical treatment? If so detail the evidence provided and check it is valid and covers relevant care refusals.

Is there a Lasting Power of Attorney for health and welfare decisions? If so detail the evidence provided and check that it is registered and valid and that it covers the decision(s) to be made.

If the patient lacks the mental capacity to make their own decisions and are un-befriended with no family or friends you have a duty to refer the patient to the IMCA service for an advocate to be allocated to work with that patient.

Does the patient make persistent attempts to leave the hospital and does not have the mental capacity to understand why then need care or treatment in hospital? If so consider an urgent Deprivation of Liberty Safeguards application – seek advice from the Matron for Safeguarding Adults or the site practitioner.

Name _____ Date of birth ____/____/____ Number _____

INVESTIGATIONS

Hip / Pelvis X-Ray

Intracapsular	Displaced	<input type="checkbox"/>	Undisplaced	<input type="checkbox"/>	
Extracapsular	Basicervical	<input type="checkbox"/>	Intertrochanteric	<input type="checkbox"/>	Subtrochanteric
Side of fracture	Left	<input type="checkbox"/>	Right	<input type="checkbox"/>	
Any sign of pathological fracture?			YES	<input type="checkbox"/>	NO

If YES then request AP & Lateral Whole Femur

NOTTINGHAM HIP FRACTURE SCORE

30 day mortality = _____ %

DIAGNOSIS

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.
- 10.

NOTE

OMIT the following medicines pre-operatively, where applicable

- Warfarin until Orthogeriatrician review. Reverse INR according to earlier algorithm.
- Other oral anticoagulants (Rivaroxaban, Dabigatran, Apixaban etc)
- Antiplatelets (clopidogrel, dipyridamole, aspirin)
- Angiotension converting enzyme (ACE) inhibitors e.g. ramipril
- Angiotension II receptor antagonists (ARBs) e.g. candesartan
- Oral hypoglycaemics e.g. metformin, sulphonylureas, then according to local Trust guidelines guidance of Peri-operative Management of Diabetes Mellitus,
- prescribe sliding scale insulin with appropriate IV fluids if needed.

CONTINUE all beta blockers e.g. atenolol, bisoprolol pre-operatively

CONTINUE all other medicines pre-operatively unless instructed otherwise.

Seek advice from pharmacist or physicians if in doubt.

Name _____ Date of birth ___/___/___ Number _____

MANAGEMENT PLAN

- Nil by mouth from ____:____ on ___/___/___
(Pre surgery : 2hrs clear fluids, 6 hrs food and milk)
- Consent signed
- Site Marked
- VTE form completed
- AMTS and Dementia CQUIN Completed
- NUTRICIA PRE-OP DRINKS (2-4 cartons up to 2hrs pre-op)
- Cardio-respiratory / Neurovascular observations every.....hours
- Adequate analgesia (prescribe I.V Paracetamol, PRN Oromorph +/- Morphine)
- Oxygen if required. (If COPD, maintain saturations between 88 - 92%)
- IV Fluids (prescribe 1litre Hartmanns 12hrly. Seek advice On Call Medical advice if known CCF)
- DVT Prophylaxis prescribed – if not, state reason
To be given 18:00 if patient for surgery tomorrow morning
- If INR raised, use the reversal algorithm.
- Skin traction 5lbs if indicated
- Antibiotic prophylaxis for operation
Teicoplanin 400mg IV (if from care home)
Cefuroxime 1.5g IV (from own home)
- Orthopaedic Registrar contacted
- Patient and / or next of kin are informed as to risks following Fractured NOF
(including 16% in-patient mortality in the over 85s)
- (If needed) OnCall Medical review requested at ____:____ on ___/___/___
- Anaesthetist On-call contacted for review at ____:____ on ___/___/___


MUST HAVE SURGERY WITHIN 36 HOURS OF ADMISSION!

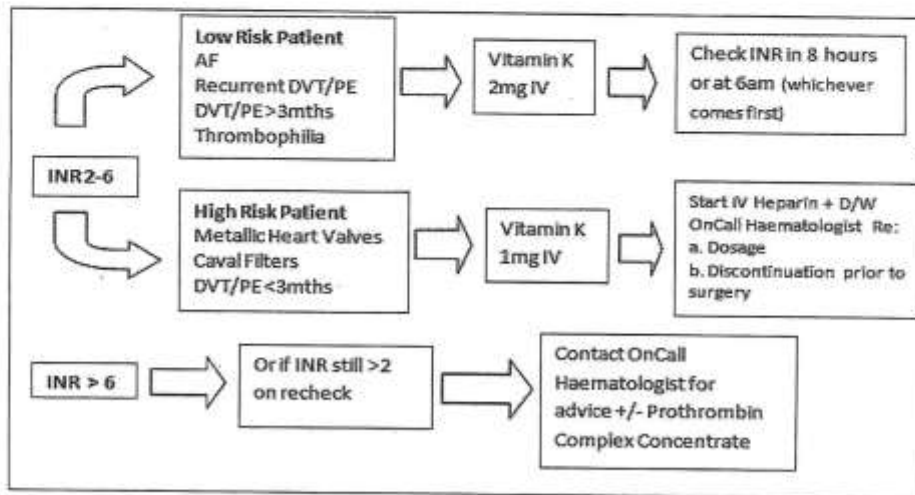
Name _____ Date of birth / / Number _____

ADMISSION INVESTIGATIONS (& Anaesthetic Checks)					
Date:					
Hb			Na		
WCC			K		
Neutrophils			Creatinine		
Plt			Calcium		
MCV					
INR					
ECG					
CXR					
Urine Dip result	Nitrites <input type="checkbox"/>	Leucocytes <input type="checkbox"/>	Protein <input type="checkbox"/>	Blood <input type="checkbox"/>	Ketones <input type="checkbox"/>
				MSU Sent <input type="checkbox"/>	


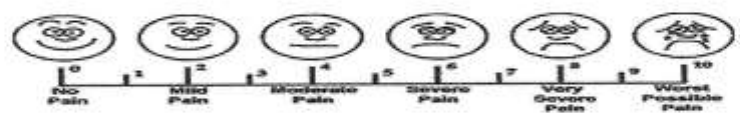
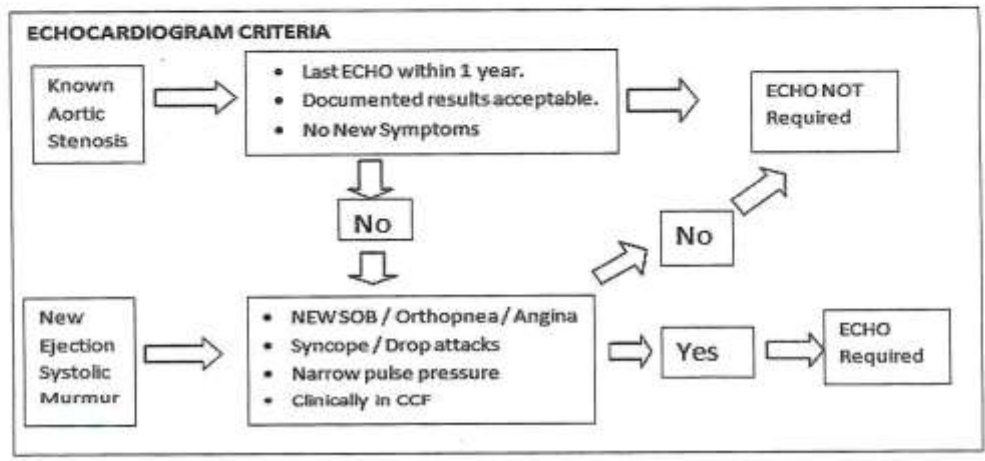
Group & Save

Transfuse if Hb <9 pre-op Number of units _____

 **INR Management (Stop WARFARIN on admission)**



SENIOR REVIEW

Name _____ Date of birth ____/____/____ Number _____

POST TAKE WARD ROUND		
Consultant	Date	Time
Investigations reviewed		
Bloods <input type="checkbox"/>	Hip X-ray <input type="checkbox"/>	Chest X-Ray <input type="checkbox"/> ECG <input type="checkbox"/> Urine <input type="checkbox"/>
Working / differential diagnosis		
1.		
2.		
3.		
4.		
Management plan		
1.		
2.		
3.		
4.		
5.		
IF NOT FOR SURGERY WITHIN 36 HOURS OF FRACTURE DIAGNOSIS STATE WHY		
Name	Designation	
Signature.....	Date	Bleep.....

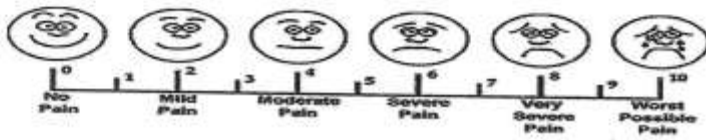
Name _____ Date of birth ____/____/____ Number _____

GERIATRICIAN REVIEW (must occur within 72 hours of fracture diagnosis)	
Doctor.....	Grade.....
Date	Time.....
	Likely Cause of Falls
	Postural instability <input type="checkbox"/>
	Postural hypotension <input type="checkbox"/>
	Syncope <input type="checkbox"/>
	Unexplained fall <input type="checkbox"/>
	Accidental <input type="checkbox"/>
	Poor safety awareness <input type="checkbox"/>
	Others (please specify) <input type="checkbox"/>
	Investigations for Falls
	Physio balance assessment <input type="checkbox"/>
Lying and standing BP <input type="checkbox"/>	
24 / 48 hr tape <input type="checkbox"/>	
Echo <input type="checkbox"/>	
Tilt test <input type="checkbox"/>	
Fill Falls Proforma <input type="checkbox"/>	
No intervention required <input type="checkbox"/>	
Bone protection	
Patient <75yrs: DEXA scan <input type="checkbox"/>	
Patient >75yrs :	
Already on treatment <input type="checkbox"/>	
Check Vitamin D & Calcium <input type="checkbox"/>	
Oral Calcium + <input type="checkbox"/>	
Vitamin D3 supplements <input type="checkbox"/>	
Alendronate once weekly <input type="checkbox"/>	
(if renal function, Vit D levels normal able to comply and safely swallow)	
Unable to take bisphosphonate <input type="checkbox"/>	
GP to refer for Denosumab <input type="checkbox"/>	
FRAX / QFracture Score <input type="checkbox"/>	

Name _____ Date of birth / / Number _____

PRE SURGERY REVIEWS

Date.....Time.....



Name _____ Date of birth ___/___/___ Number _____

Surname		Date Of Surgery
Forename		Time Of Surgery
Date of birth		Responsible Consultant
NHS number		
Hospital number		
Operation Code	Surgeon	
Anaesthetist	Type of Anaesthetic	Scrub Nurse
OPERATION PERFORMED		

OPERATION NOTES

Name _____ Signature _____

Name _____ Date of birth ____/____/____ Number _____

IMPLANT STICKERS
Post-operative instructions
WEIGHTBEARING STATUS

Name _____ Signature _____

OPERATION NOTES

Name _____ Date of birth ____ / ____ / ____ Number _____

ORTHOPAEDIC POST OPERATION REVIEW

Date..... Time.....

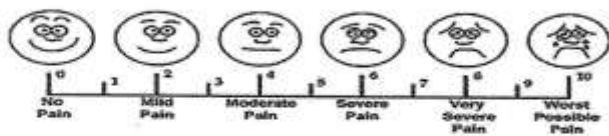
Reviewed By.....

Neuro-vascular status of operated leg:

Hb.....(Transfuse if Hb <8)

Check x-ray.....

Full weight bearing / Partial weight bearing / NON weight bearing



Name Designation

Signature..... Date Bleep.....

Name _____ Date of birth ____/____/____ Number _____



To Be Done Within 24-36 Hours After Surgery

The 4 'A's Test: screening

[1] ALERTNESS

This includes patients who may be markedly drowsy (eg. difficult to rouse and/or obviously sleepy during assessment) or agitated/hyperactive. Observe the patient. If asleep, attempt to wake with speech or gentle touch on shoulder. Ask the patient to state their name and address to assist rating.

CIRCLE

Normal (fully alert, but not agitated, throughout assessment)	0
Mild sleepiness for <10 seconds after waking, then normal	0
Clearly abnormal	4

[2] AMT4

Age, date of birth, place (name of the hospital or building), current year.

No mistakes	0
1 mistake	1
2 or more mistakes/untestable	2

[3] ATTENTION

Ask the patient: "Please tell me the months of the year in backwards order, starting at December." To assist initial understanding one prompt of "what is the month before December?" is permitted.

Months of the year backwards	Achieves 7 months or more correctly	0
	Starts but scores <7 months / refuses to start	1
	Untestable (cannot start because unwell, drowsy, inattentive)	2

[4] ACUTE CHANGE OR FLUCTUATING COURSE

Evidence of significant change or fluctuation in: alertness, cognition, other mental function (eg. paranoia, hallucinations) arising over the last 2 weeks and still evident in last 24hrs

No	0
Yes	4

4 or above: possible delirium +/- cognitive impairment
 1-3: possible cognitive impairment
 0: delirium or severe cognitive impairment unlikely
 (but delirium still possible if [4] information incomplete)

4 AT SCORE : _____

GUIDANCE NOTES

Version 1.1. Information and download: www.the4AT.com

The 4AT is a screening instrument designed for rapid initial assessment of delirium and cognitive impairment. A score of 4 or more suggests delirium but is not diagnostic: more detailed assessment of mental status may be required to reach a diagnosis. A score of 1-3 suggests cognitive impairment and more detailed cognitive testing and informant history-taking are required. A score of 0 does not definitively exclude delirium or cognitive impairment: more detailed testing may be required depending on the clinical context. Items 1-3 are rated solely on observation of the patient at the time of assessment. Item 4 requires information from one or more source(s), eg. your own knowledge of the patient, other staff who know the patient (eg. ward nurses), GP letter, case notes, carers. The tester should take account of communication difficulties (hearing impairment, dysphasia, lack of common language) when carrying out the test and interpreting the score.

Alertness: Altered level of alertness is very likely to be delirium in general hospital settings. If the patient shows significant altered alertness during the bedside assessment, score 4 for this item. **AMT4 (Abbreviated Mental Test - 4):** This score can be extracted from items in the AMT10 if the latter is done immediately before. **Acute Change or Fluctuating Course:** Fluctuation can occur without delirium in some cases of dementia, but marked fluctuation usually indicates delirium. To help elicit any hallucinations and/or paranoid thoughts ask the patient questions such as: "Are you concerned about anything going on here?"; "Do you feel frightened by anything or anyone?"; "Have you been seeing or hearing anything unusual?"

Name _____ Date of birth / / Number _____

FALLS ASSESSMENT
NOT REQUIRED? **If so, state reason:** _____

Brief description of fall _____

Number of previous falls in last year _____

Brief details _____

Relevant Medical History (Tick all that apply)

- | | | | |
|----------------------------|--------------------------|------------------------------------|--------------------------|
| Current delirium | <input type="checkbox"/> | Cognitive impairment/ dementia | <input type="checkbox"/> |
| Stroke | <input type="checkbox"/> | Other chronic neurological disease | <input type="checkbox"/> |
| Degenerative joint disease | <input type="checkbox"/> | Visual impairment | <input type="checkbox"/> |
| Syncope | <input type="checkbox"/> | Epilepsy | <input type="checkbox"/> |
| Urinary incontinence | <input type="checkbox"/> | Other (please specify)..... | <input type="checkbox"/> |

Medication Review	Appropriate?		Action Taken		
On 4 or more medications?	Yes	No	Yes	No	
On night sedation ?	Yes	No	Yes	No	
On anti-depressant ?	Yes	No	Yes	No	
On anti-hypertensives	Yes	No	Yes	No	
On anti-coagulation	Yes	No	Yes	No	

*All psychoactive medications increase the risk of falls – consider discontinuing if appropriate.
 Antihypertensives can cause orthostatic hypotension.*

Anticoagulants increase bleeding risk and may cause harm. Weigh up risks and benefits. POSTURAL BLOOD PRESSURE

Lying BP	mmHg	mmHg
Standing BP	mmHg	mmHg

If symptomatic significant drop (at least 20mmHg systolic or 10mmHg diastolic), review possible causes and consider treatment options.

Name _____ Date of birth ____/____/____ Number _____

Neurological Examination				Done at admission <input type="checkbox"/>
Peripheral	RUL	LUL	RLL	LLL
Tone				
Power				
Sensation				
Reflexes				
Vibration				

Visual Acuity

Left Eye		Right Eye	
----------	--	-----------	--

If vision impaired, assess likely cause and consider optician/ ophthalmology referral

Record ECG

If ECG abnormal, with syncope or an unexplained fall, consider 24hour tape

LIKELY CAUSE(S) OF FALL

Interventions	Tick when done
Ensure patient has appropriate footwear	
Ensure call bell within reach	<input type="checkbox"/>
Ensure patient has appropriate walking aids (if applicable)	<input type="checkbox"/>
Low-profiling bed needed?	<input type="checkbox"/>
Refer to physiotherapy	<input type="checkbox"/>
Supply Falls Information leaflet	<input type="checkbox"/>

Other Interventions Performed

Assessment completed by.....Date.....

Name

Date of birth / / Number

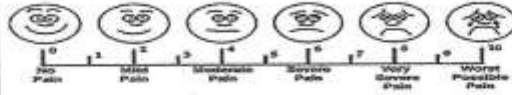
PHYSIOTHERAPIST Post Operative Review

Date.....

Time.....

Reviewed By.....

Full weight bearing / Partial weight bearing / NON weight bearing



Able to Stand Day 1 Post Op? Yes / No

If No, Reason : Delirium / Hypotension / Hypotension / Anaemia <8 / Anxiety / Refused / Other

Physio Goals:

Name Designation

Signature..... Date Bleep.....

Dated & timed

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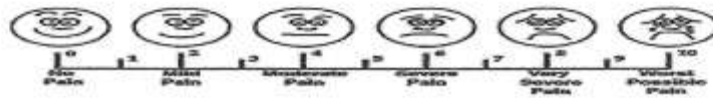


Name _____ Date of birth / / Number _____

Multi-Disciplinary Notes (Genetics, Orthopaedics, Nursing & Therapists)

Dated & timed

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Name _____ Date of birth ____/____/____ Number _____



To Be Done 4 – 7 Days After Surgery

The 4 'A's Test: screening

[1] ALERTNESS

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CIRCLE

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[4] ACUTE CHANGE OR FLUCTUATING COURSE

Evidence of significant change or fluctuation in: alertness, cognition, other mental function (eg. paranoia, hallucinations) arising over the last 2 weeks and still evident in last 24hrs

No	0
Yes	4

4 AT SCORE : _____

4 or above: possible delirium +/- cognitive impairment
 1-3: possible cognitive impairment
 0: delirium or severe cognitive impairment unlikely
 (but delirium still possible if [4] information incomplete)

GUIDANCE NOTES

Version 1.1, information and download: www.the4AT.com

The 4AT is a screening instrument designed for rapid initial assessment of delirium and cognitive impairment. A score of 4 or more is delirium but is not diagnostic; more detailed assessment of mental status may be required to reach a diagnosis. A score of 1-3 is cognitive impairment and more detailed cognitive testing and informant history-taking are required. A score of 0 does not definitively indicate delirium or cognitive impairment; more detailed testing may be required depending on the clinical context. Items 1-3 are rated as observed of the patient at the time of assessment. Item 4 requires information from one or more source(s), eg. your own knowledge, patient, other staff who know the patient (eg. ward nurses), GP letter, case notes, carers. The tester should take account of communication difficulties (hearing impairment, dysphasia, lack of common language) when carrying out the test and interpreting the score.

Alertness: Altered level of alertness is very likely to be delirium in general hospital settings. If the patient shows significant altered level during the bedside assessment, score 4 for this item. **AMT4 (Abbreviated Mental Test - 4):** This score can be extracted from item 2 of the AMT10 if the latter is done immediately before. **Acute Change or Fluctuating Course:** Fluctuation can occur without delirium in some dementia, but marked fluctuation usually indicates delirium. To help elicit any hallucinations and/or paranoid thoughts ask the patient questions such as, "Are you concerned about anything going on here?"; "Do you feel frightened by anything or anyone?"; "Have you been hearing anything unusual?"

Name _____ Date of birth ____ / ____ / ____ Number _____

Multi Disciplinary Notes (Geriatrics, Orthopaedics, Nursing & Therapists)

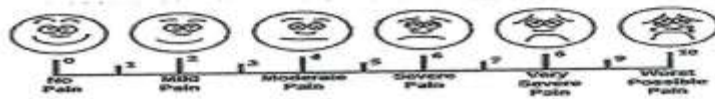
Dated & timed

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Name _____ Date of birth / / Number _____
Multi-Disciplinary Notes (Geriatrics, Orthopaedics, Nursing & Therapists)

Dated & timed

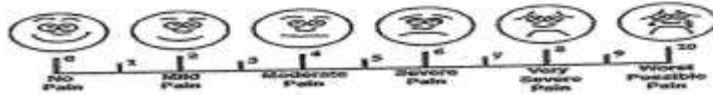


Name

Date of birth / / Number

Multi-Disciplinary Notes (Geriatrics, Orthopaedics, Nursing & Therapists)

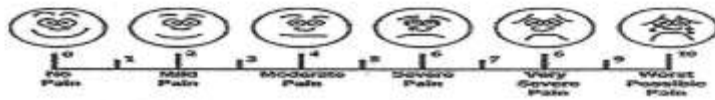
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timed



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Multi-Disciplinary Notes (Geriatrics, Orthopaedics, Nursing & Therapists)

Dated & timed

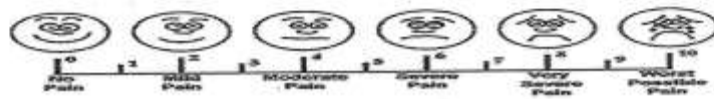


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Multi-Disciplinary Notes (Geriatrics, Orthopaedics, Nursing & Therapists)

Dated & timed

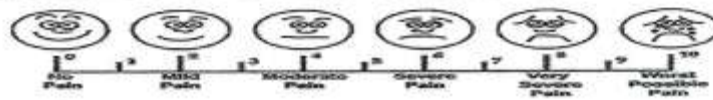
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Multi-Disciplinary Notes (Geriatrics, Orthopaedics, Nursing & Therapists)

Dated & timed



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Multi-Disciplinary Notes (Geriatrics, Orthopaedics, Nursing & Therapists)

Dated & timed

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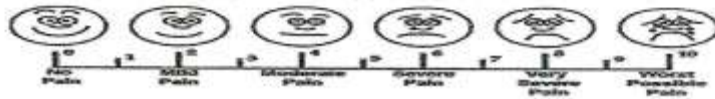


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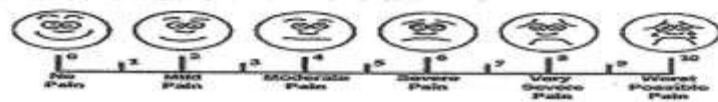


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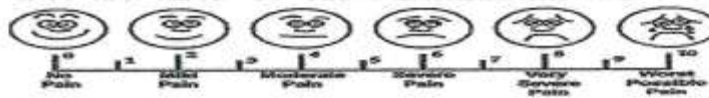


Name _____ Date of birth / / _____ Number _____

Multi-Disciplinary Notes (Geriatrics, Orthopaedics, Nursing & Therapists)

Dated & timed

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Multi-Disciplinary Notes (Geriatrics, Orthopaedics, Nursing & Therapists)

Dated & timed

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Name	Date of birth / /	Number
Multi-Disciplinary Notes (Geriatrics, Orthopaedics, Nursing & Therapists)		
Dated & timed	<p>[Faint, illegible text in the main body of the table, likely representing patient notes or a list of entries.]</p>	

Name	Date of birth / /	Number
Dated & timed	Multi-Disciplinary Notes (Geriatrics, Orthopaedics, Nursing & Therapists)	
	<p>[Faint, illegible text from the main body of the table, likely containing patient notes and dates.]</p>	

Name _____ Date of birth ____/____/____ Number _____

DATE								
Hb								
WCC								
Plt								
MCV								
Neut								
INR								
PT								
ESR								
CRP								
Na								
K								
Creat								
Bili								
AlkP								
AST								
Albumin								
Protein								
Ca								
Adj Ca								
Mg								

Date:				
B12		TSH		Plasma protein electrophoresis
Folate		FT4		
Vitamin D				Urine electrophoresis (where indicated)

Date	O2 Conc.	pH	pCO2	pO2	BE	HCO3	Lactate