

# Emergency Department Self directed Learning package

# **Emergency Department Self-directed workbook**

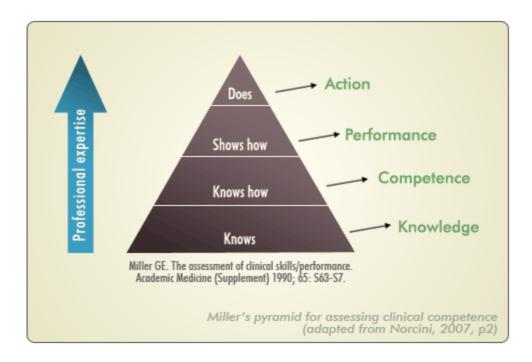
#### General information

Emergency Medicine is concerned with the management of the broad spectrum of acute illnesses and injury in all age groups. The aim of this self-directed workbook is to assist hospital medical officers to identify the competencies for working in Emergency Medicine in Ballarat.

The emergency department at BHS has for many years run an observership program and we have recruited many excellent doctors as a result. The department has a very multicultural staff mix, and we view with pride our diversity and teamwork. We aim to make your time with us productive within a supportive environment. We have also ensured we have paid training time for registrars but also an above award arrangement with paid training time for HMOs and Interns.

Since 2012 we have been aiming to improve the learning experience for our medical staff. This has involved different types of learning sessions. Any good education program will attempt to assess prior knowledge of the learners before teaching. With a diverse group there will be variation within the group. We have been using this self-directed workbook as a guide for you to assess your knowledge and identify your learning needs by completing the workbook. It is not mandatory, but we would like to continue to use it as it assists with performance appraisals, and to provide some more structure and real learning outcomes. You will know best what type of learning style suits you, so can choose how you use the book.

The following diagram highlights the key objectives, with our aim to see more of "does" and "shows how"



#### Education

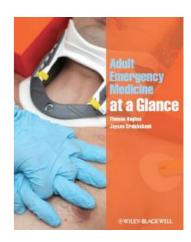
The BHS ED HMO and Observer education series covers the following fifteen topics:

- 1. Resuscitation
- 2. Major Trauma
- 3. Cardiology
- 4. Respiratory System
- 5. Neurology
- 6. Toxicology
- 7. Psychiatry
- 8. Surgery
- 9. Orthopaedic
- 10. Minor Trauma
- 11. Obstetrics and Gynaecology
- 12. Sepsis
- 13. Paediatrics
- 14. Eyes, ENT
- 15. Aged Care

The learning resources in this self-directed workbook covers these topics. The learner should complete the self-directed workbook to enhance their own understanding of their learning needs. Every section does not need to be completed. Use it to reinforce areas where your knowledge is strong, or to identify areas that need some work. In many cases this will mean on the job learning, rather than finding information in books. It will help to revise the cases when you have seen similar patients in the Department, to reinforce your learning.

For brief rotations in the Emergency Department, we recommend Adult Emergency Medicine at a Glance.

There is a potential conflict of interest given Jaycen Cruickshank is one of the authors. The reason for the recommendation relates to the fact that the content of this book reflects the minimum amount of knowledge required regarding Emergency Medicine.



#### Feedback

Feedback with supervisor to be completed using the self-assessment tool provided.

Complete the self-directed workbook and review with your supervisor.

Add interesting cases to your consults list in BOSSNET, to facilitate discussion. This ensures you do not need to keep lists with patient information, which if taken off site can result in privacy and confidentiality breaches

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# 1. Resuscitation - Case 1: Anaphylaxis



36 year old female, Anna, from Greece noticed with rapid onset of shortness of breath after having taken an antibiotic. Normally has mild asthma.

No	ow presents with generalised wheeze and facial swelling. Looks ill.
What ha	as Anna got, and what things can cause this condition?
How do	es it present?
How do	you assess how ill Anna is?
	t important?
What is	the urgent treatment? Please document it below.

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Author Jaycen Cruickshank updated 2021 Heather Crook

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What other treatment is helpful? Write it above.

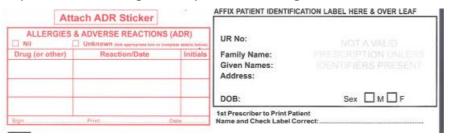
What do you do if she was very sick?

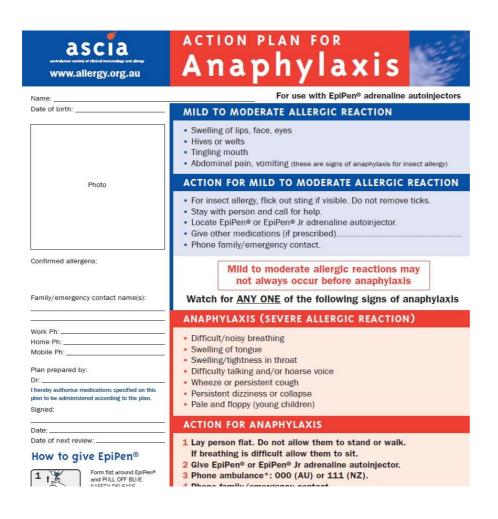
How do you know if she was getting better/worse?

How long should she stay in hospital?

Where in the hospital should she be looked after?

**TASK:** Complete the following for her prior to discharge.





### Patient Alerts; don't forget to add a CAM Alert



# 2. Major Trauma – Case 1: Vehicle rollover

A patient presents with a high speed rollover a	at 2am.	The vital s	signs are B	P 90/60 H	R
120 and normal oxygen sats.					

Outline the initial management to be taken by the Admitting Officer and nurs	e in charge

On arrival outline your initial assessment of this patient in the first 5 to 10 minutes.

What bed-side tests would you like to perform, and what are you looking for?

List life threatening conditions and their immediate treatment

Condition	Immediate treatment

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A patient fell over at the pub and hit their head on concrete with a brief LOC, but is now fine and is here with friends to be checked out.

How will you decide if he needs imaging of neck and or head?

In this situation the patient ended up having a CT head and neck which were normal.

Describe the safe discharge of this patient including appropriate referral

What is the ABI clinic and outline the referral process for this?

# 3. Cardiology - Case 1: Chest pain ischaemic

You are required to write up two patients with chest pain, one with ischaemic chest pain (Case 1) and one with another diagnosis. Think of cases you have seen yourself for these tasks.

What other signs and symptoms did the patient have?
What features on History were typical of ischaemic cardiac pain?
What are the risk factors?
Outline the features of low, intermediate and high-risk acute coronary syndromes
What treatments are available in this hospital?
Where in the hospital should these patients be looked after?

# What treatment did the patient receive in the emergency department?

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# 3. Cardiology - Case 2: chest pain, not ischaemic.

You are required to write up two patients with chest pain, one with ischaemic chest pain (above) and one with another diagnosis (Case 2).

What features on History made this patient's pain UNLIKELY to be cardiac in origin?
What alternate diagnoses were considered in this patient?
What investigations were done to evaluate the alternative diagnosis?
TASK: Collect copies of ECG's from patients (de-identified) you observe which show the following.
<ol> <li>Acute myocardial Infarction/ acute coronary syndrome</li> <li>A rhythm disturbance</li> </ol>
Describe the ECG. Why is it important to write a comment on each ECG you reviewed, including recording

# 4. Respiratory - Case 1: A breathless patient.

22 year old female with increased shortness of breath past 2 days.

Normally uses a brown inhaler and a blue inhaler
Now presents with generalised wheeze and is very short of breath.
What condition does this patient have?
How does this condition usually present?
How do you assess how ill she is?
Why is it important?

### What is the treatment? – Please complete below

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How do you know if she is getting better/worse?

What do you do if she is very sick?

When is it safe to discharge her? Where do you find the asthma action plans?	
TASK: There are two asthma stickers found in the Emergency Department. Affix them lexample of them completed correctly	below with an
5. Neurology – Case 1: Headache and Nausea and Vomiting	
A patient presents with a severe headache, and nausea and vomiting for the last six ho not settled with the usual oral medication that she tried at home.	ours, which has
She suffers from migraines as did her mother, and is not on medications normally	
List the differential diagnosis in addition to migraine.	
A physical examination is normal	What are the
differential diagnoses? List the features you would look for.	three most import
Please order some medication on the chart	
Please complete a SSU pathway for this patient and describe the process for requesting SSU	g an admission to

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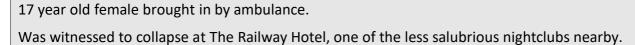
# 5. Neurology - Case 2: Sudden Headache

The patient is reviewed on the SSU ward round and on further questioning; the patient admits that the headache came on suddenly during sexual intercourse.

The headache was severe but has now settled...

Does this change your management? Would you order any tests, and if so, outline below

# 5. Neurology - Case 3: Seizure



Is having rhythmic contractions of all limbs when brought in by the ambulance staff.

What are the top priorities in her treatment?

How does this condition present to the ED?

What might have caused her condition?

### What is the treatment? Document this below

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What would you do if she is not getting better?

What investigations may need to be carried out to help with her management?

What follow up may be appropriate?

27 year old female found on floor semi-conscious.

# 6. Toxicology - Case 1: Patient with Suspected Overdose

The ambulance crew found empty packets of amitriptyline, and diazepam around her.
On being brought into the department she is talking, but confused.
What other signs and symptoms might she have?
What general supportive treatment does she need?
How do you assess how ill she is?
What is the treatment?
What sort of ward care will she need in the first 12 hours?
What follow up should she have?

Interpret the patient's ECG. What features do you look for in patients with tricyclic overdose?



What features do you look for in SSRI overdose?

What are the dangers of each?

What is the management of each?

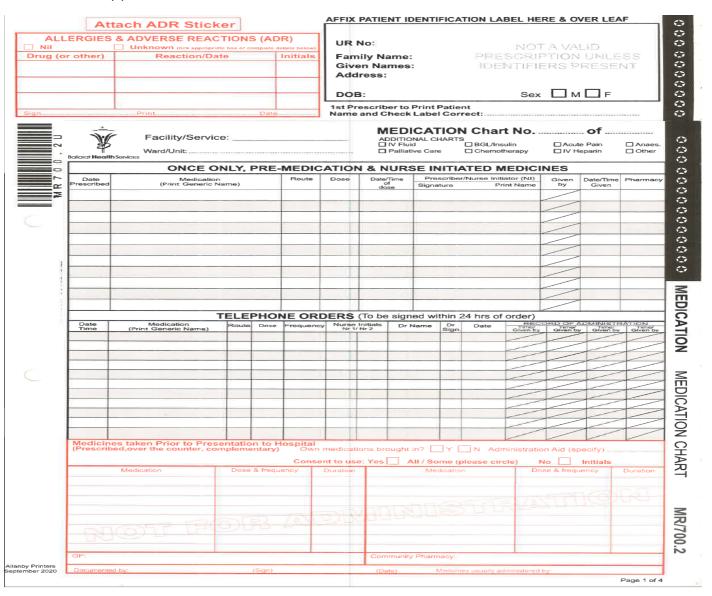
# 6. Toxicology - Case 2: Patient with Coma

20 year old male – well known to the ED with multiple past visits.

Found at home unconscious with 3 empty boxes of paracetamol and an empty syringe. He was seen by his housemates 1 hour previously, and had seemed fine.

He is brought in still unconscious, with small pupils and slow breathing.

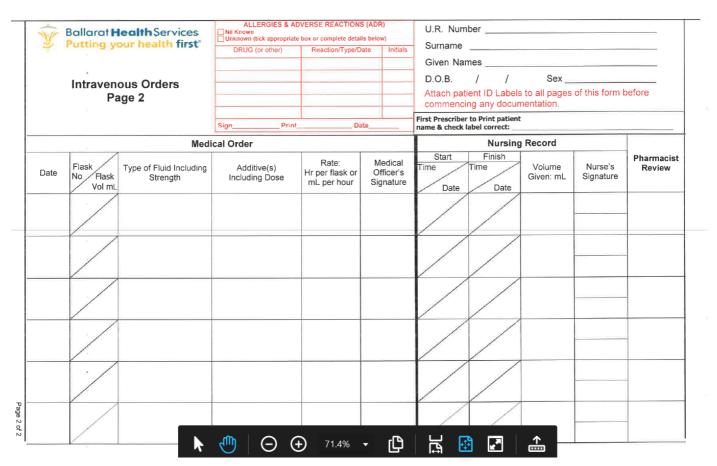
What treatment(s) does he need?



What general treatment should overdose patients have?

His investigations show he needs specific treatment. Why does he need this treatment?

What is the treatment? How does it work? You estimate he weighs roughly 80kg. How will you work out the doses? Write it below



How do you know if they are getting better/worse?

What follow-up is necessary?

# 7. Psychiatry - Case 1: Behaviour Problem

Observe 1 patient who is bought to emergency for assessment or management of a psychiatric problem.

In order to gain an understanding of the management of psychiatric patients in the emergency department you may wish to spend some time with the ECAT (Emergency Crisis and Assessment Team) worker. The Admitting Officer can identify this person for you.
How did the patient get to emergency?
Who referred the patient to the emergency department?
How do we make referrals to psychiatric services?
Describe a safe environment to assess the patient.
Who assessed the patient and what were they assessing?
What follow-up arrangements were made for this patient?
What is a "code grey?"
Who attends when a code grey is called?
Who may call a code grey?

# 8. Surgery - Case 1: Abdominal pain - Renal Colic

A 55 year old man presents with right sided renal colic, this is his first episode of the same, he spoke to his GP who appropriately directed the patient to the ED for analgesia and assessment.

List the diagnosis/differential diagnoses.
Outline the investigations that should be performed (list them in order of importance, i.e. what is done first etc)
Prescribe appropriate analgesia for this patient

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### **Comment on this CT**



Outline the discharge plan including advice given when discharging a patient who has a 2mm renal stone in the ureter, who is now pain free and without complications

Clue: red flags

# 9. Orthopaedic – Case 1: Back pain management.

Observe a physiotherapist evaluate a patient with back pain.
What is the physiotherapist assessing?
In broad terms, what advice does the physiotherapist give the patient?
List serious medical or surgical causes of back pain that should be excluded prior to physiotherapy referra and how they are excluded.

**TASK:** Write an appropriate analgesia prescription for a patient with their first episode of severe back pain, no current medications, medical history or allergies.

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	Medicines (Prescribed	(Print Generic Name)  taken Prior to Presid, over the counter, cor	entation mplement	n to Hos ntary)	spital Own Conse	y Nurse Nr 1.	Initials Dr. 2	ht in?	Dr Sign.	Date  N Adr	RECC Tries/ Given by	n Aid (sp	Decify)	
	Medicines (Prescribed	taken Prior to Presid, over the counter, cor	entation	n to Hosnitary)	spital Own Conse	y Nurse Nr 1.	Initials Dr. 2	ht in?	Dr Sign.	Date  N Adr	RECC Tries/ Given by	n Aid (sp	Decify)	
	Medicines (Prescribed	(Print Generic Name)  taken Prior to Presid, over the counter, cor	entation	n to Hosnitary)	spital Own Conse	y Nurse Nr 1.	Initials Dr. 2	ht in?	Dr Sign.	Date  N Adr	RECC Tries/ Given by	n Aid (sp	Decify)	
	Medicines (Prescribed	taken Prior to Presid, over the counter, cor	entation	n to Hosnitary)	spital Own Conse	y Nurse Nr 1.	Initials CNP2	ht in?	Pr Sign.	Date  N Adr	RECC Tries/ Given by	n Aid (sp	Decify)	

Demonstrate accurate completion of the following form for a patient who is say, the Director of ED, who is right handed, has a left clavicle fracture after falling off his bike on a road.

This form is now available on BOSSNET (Discharge Summary eForms). A <u>guide on how to complete it</u> is available on the <u>Orientation Resources page</u> of the ED intranet.

# CERTIFICATE OF CAPACITY





- A valid Certificate of Capacity must be provided if you are claiming compensation for loss of income because of a transport accident or work-related injury or illness.
- The certifier will use this Certificate of Capacity to communicate with your employer and your case manager about your work capacity (refer to the TAC or Victorian WorkCover Authority (VWA) website for who can certify). Note: The first medical certificate for a work-related injury/condition VWA claim must be issued by a medical practitioner.
- Certifiers Please type or use block letters and ensure that all relevant sections are complete. Incomplete forms may be returned.

This certificate has been issued in relation to a:	
Transport accident related injury (TAC Claim)	Work related injury/condition (VWA claim)
This certificate has been issued to confirm attendance only Co	omplete sections 1, 2, 5 & 6 only
1. Worker Details	
Worker First Name	Claim Number (if known)
Worker Last Name	Date of Injury (if Claim number not known)  Date of Birth
Worker Address	Postcode
2. Diagnosis	
Lavarriand vary on DD /M M /V V V // If to	his certificate refers to a period prior to the date of examination, please provide details Additional Comments (Section 3) below other available information is:
3. Capacity Assessment Note: If capacity is affected indicates limitations are not indicates.	d further details MUST be provided in this section - if fields are blank this t applicable. • Continue to Section 4 if capacity is unaffected
Your work capacity is affected by your injury/condition as for	ollows:
Physical Function CAN MODIFICATIONS CANNOT Select applicable - blank fields indicate that limitations are not applicable	Physical Function - Additional Comments eg. limits on durations, weight-handling capacity, repetitive or sustained postures, movements or forces:
Physical Function CAN MODIFICATIONS CANNOT	
Physical Function CAN MODIFICATIONS CANNOT Select applicable - blank fields indicate that limitations are not applicable	
Physical Function CAN MODIFICATIONS CANNOT Select applicable - blank fields indicate that limitations are not applicable Sit Stand/Walk Bend	
Physical Function CAN MODIFICATIONS CANNOT Select applicable - blank fields indicate that limitations are not applicable Sit Stand/Walk Bend Squat	
Physical Function CAN MODIFICATIONS CANNOT Select applicable - blank fields indicate that limitations are not applicable Sit Stand/Walk Bend Squat Kneel	
Physical Function CAN MODIFICATIONS CANNOT Select applicable - blank fields indicate that limitations are not applicable Sit Stand/Walk Bend Squat Kneel Reach above shoulder	
Physical Function CAN MODIFICATIONS CANNOT Select applicable - blank fields indicate that limitations are not applicable  Sit Stand/Walk Bend Squat Kneel Reach above shoulder Use injured arm/hand	
Physical Function CAN MODIFICATIONS CANNOT Select applicable - blank fields indicate that limitations are not applicable  Sit Stand/Walk  Bend Squat  Kneel  Reach above shoulder  Use injured arm/hand  Lift	
Physical Function CAN MODIFICATIONS CANNOT Select applicable - blank fields indicate that limitations are not applicable  Sit Stand/Walk Bend Squat Kneel Reach above shoulder Use injured arm/hand	
Physical Function CAN MODIFICATIONS CANNOT Select applicable - blank fields indicate that limitations are not applicable  Sit Stand/Walk  Bend Squat  Kneel  Reach above shoulder  Use injured arm/hand  Lift	
Physical Function CAN MODIFICATIONS CANNOT Select applicable - blank fields indicate that limitations are not applicable  Sit Stand/Walk Bend Squat Kneel Reach above shoulder Use injured arm/hand Lift Neck movement  Mental Health Function  AFFECTED  MODIFICATIONS CANNOT CANNOT CANNOT AFFECTED	weight-handling capacity, repetitive or sustained postures, movements or forces:  Mental Health Function – Additional Comments eg. effects of mental health
Physical Function CAN MODIFICATIONS CANNOT Select applicable - blank fields indicate that limitations are not applicable Sit Stand/Walk Bend Squat Kneel Reach above shoulder Use injured arm/hand Lift Neck movement  Mental Health Function Select applicable - blank fields indicate that limitations are not applicable	weight-handling capacity, repetitive or sustained postures, movements or forces:  Mental Health Function – Additional Comments eg. effects of mental health
Physical Function CAN MODIFICATIONS CANNOT Select applicable - blank fields indicate that limitations are not applicable Sit Stand/Walk Bend Squat Kneel Reach above shoulder Use injured arm/hand Lift Neck movement  Mental Health Function Select applicable - blank fields indicate that limitations are not applicable Attention/Concentration	weight-handling capacity, repetitive or sustained postures, movements or forces:  Mental Health Function – Additional Comments eg. effects of mental health
Physical Function CAN MODIFICATIONS CANNOT Select applicable - blank fields indicate that limitations are not applicable Sit Stand/Walk Bend Squat Kneel Reach above shoulder Use injured arm/hand Lift Neck movement  Mental Health Function Select applicable - blank fields indicate that limitations are not applicable Attention/Concentration Memory (short and/or long term)	weight-handling capacity, repetitive or sustained postures, movements or forces:  Mental Health Function – Additional Comments eg. effects of mental health
Physical Function Select applicable - blank fields indicate that limitations are not applicable Sit Stand/Walk Bend Squat Kneel Reach above shoulder Use injured arm/hand Lift Neck movement  Mental Health Function Select applicable - blank fields indicate that limitations are not applicable Attention/Concentration Memory (short and/or long term) Judgement (ability to make decisions)	weight-handling capacity, repetitive or sustained postures, movements or forces:  Mental Health Function - Additional Comments eg. effects of mental health symptoms, cognitive function:

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### BHS ED Self-directed learning workbook

### Author Jaycen Cruickshank updated 2021 Heather Crook

	ed injury/condition (VWA claim), unless special reasons apply are up to: sued by a medical practitioner), • 28 days for a subsequent certificate.
Taking into account the effects of your injury/condition, as outlined	l in section 3, you:
Have a capacity for pre-injury employment from	
Have a capacity for suitable employment from	//
Have no capacity for employment from / / / /	y y y to DD/MM/Y y y
Estimated timeframe to return to work days or	weeks
An estimated timeframe will assist with planning for a return to safe work	
5. Treatment Plan	
Your treatment plan including injury management, strategies to increcurrence/aggravation of injury:	ease capacity for work, address return to work barriers and/or prevent
6. Certifier Declaration	
I certify that I have clinically examined this patient. The information a	and medical opinions I have provided in this certificate are,
to the best of my knowledge, true and correct.  Provider name, address and phone no. (or practice stamp)	Signature of Certifier
Provider flame, address and priorie flo. (or practice stamp)	Signature of Certifier
	Provider number or hospital name
Postcode	Date issued
Telephone ( )	
7. Worker Declaration - WORKER TO COMPLETE	
MANDATORY unless this is the first certificate or	an attendance certificate only
At any time since the last Certificate of Capacity was provided, have	you engaged in:
<ul> <li>voluntary work, or</li> <li>any form of employment or in self-employment for which you have</li> </ul>	received or been entitled to receive payment in money or otherwise?
No, I have not	
Yes, I have	
Please provide details of any voluntary work, employment or self-em	ployment you have engaged in (other than with your pre-injury
employer as part of your return to work):	
I declare that the details I have given on this certificate are true and to provide false or misleading information.	correct. I understand that it is an offence under the legislation
Signature of Worker	
of Worker	Date/
Further Information	
Returning to work  If you have a work capacity for suitable employment your employer and case	Privacy The TAC and VWA (VWA Agents and Self-Insurers) will handle your personal
manager will use the information provided by your certifier on the Certificate of Capacity to assess suitable options for you to safely stay at or return to work. They will take into account what you can do safely and any limitations that apply to your	and health information in accordance with their privacy policies and legislation. You can access privacy policy information at the TAC and VWA websites.
individual circumstances. A capacity for suitable employment could mean working reduced hours while you recover or working modified or different duties until you	
can return to your normal work with your pre-injury employer or another employer.	

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### 10. Minor Trauma - Case 1: Patient with wrist pain post fall.

Mr Clem See is from New Zealand and fell over. He has a painful wrist.

Describe the clinical signs that may be evident, and how they will help you determine what x-rays to order.

The XR is normal, but he was tender in anatomical snuff box. What do you do now?

TASK: Complete the radiology form below

Ballarat Healt RADIOLOGY DE Diagnostic & Interventional Rad Dr. R. House Dr. R. Wilkle Dr. J. Mullany Dr.	EPARTM iology, Ultraso	Ŷ					
Family Name Given Name		Ballarat Health Service	es ,				
Address / UR No.		/ /	IMPORTANT: All CT and Ultrasound c have an appointment. Please telephone 5 scheduled time. Hours of operation 8.00a	320 4270 for a	9		
Examination/s Requested			MARKET NEW DANCE				
Clinical History/findings			mergancy Depar				
Denotal Practice of the Control of t				Transport	O		
				Chair			
				Trolley			
				Bedside			
				Ambulance			
				Classificat	ion		
				Private			
				Pension			
				R.T.A.			
		Signature	Date	W/Comp			
Fadiologist/MIT	Copy to	M.O. Name	Pager No.	Vot Affairs			
Date/Time		PLEASE NOTE: HADIO	DUDGY REQUESTS MUST BE SIGNED AND DATED BY	HOO			

# 10. Minor Trauma - Case 2: X-Rays and fracture management

Observe the management of 3 patients who have limb fractures. These patients may be children or adults.

. Describe the fracture	
Describe the management	
Describe the follow-up arrangements and advice to patient	
2. Describe the fracture	
Describe the management	
Describe the follow-up arrangements and advice to patient	
3. Describe the fracture	
Describe the management	
Describe the follow-up arrangements and advice to patient	

### 11. O&G - Case 1: PV Bleeding

A 24 year old woman presents with abdominal pain and some PV bleeding, a small amount of dark blood. Her last normal menstrual period was 5 weeks ago, and she is on the oral contraceptive pill

List the differential diagnosis
Outline your initial investigations
Describe a strategy using pathology and radiological testing including interpretation of the results
How will management differ at 8pm on a Wednesday evening compared to 8am in the morning?
What follow-up will you arrange?

# 11. O&G - Case 2 - Hyperemesis Gravidarum pathway

A 30 year old woman presents with ongoing vomiting in early pregnancy, She is G3P2 and 7 weeks pregnant, with a normal intrauterine pregnancy confirmed on ultrasound a few days ago. She is unable to keep fluids down and feels dizzy on standing

List the likely diagnosis and any other differential diagnoses
Outline the most important features in your initial assessment of her
Outline your initial management
Complete a SSU pathway for her

# 12. Sepsis – Case 1: Patient with fever

A 19 years old woman presents with fever, sore throat, leg pain and a rash



List your differential diagnoses, including common problems and those that must not be missed

Outline your initial management

# 12. Sepsis - Case 2: Elderly patient

An 84 year old lady has been brought to the Emergency Department by ambulance, after being found confused at home by her daughter. Her Oxygen saturation is 88% on air and respiratory rate 28/min. Her BP is 85/50, her heart rate 110, and her GCS 13. Her temperature is 34.2C. The ambulance officers state that her breathing is rapid, and she smells of offensive urine.

What is your differential diagnosis?
What tool-kit would you like to use to help with management?
Outline your steps in managing this patient. What investigations would you like to do? Which rapid tests will help you decide management?
If the patient does not respond to initial management, what other steps can be taken, and which staff would you like to get involved?
The daughter arrives soon after, wishing to see her mother. She states that her mother has been adamant that she does not want to be resuscitated? What steps need to be taken now?
Observe someone having a conservation regarding 'Goals of Care' with a patient or their family.

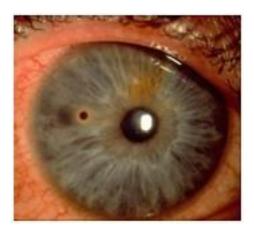
### 13. Paediatrics - Case 1: Febrile Neutropenia

A three year old child is brought to the Emergency Department by their parents. The child has a fever and is unwell. Mum tells the triage nurse that the child has cancer and has recently had chemo at the Royal Children's hospital. She requests that the triage nurse ring the Royal Children's immediately, but does not have the phone number with her.

What additional information would you like to know?
Outline the most important features to look for during clinical assessment
When should you involve the treating team?
How should the treating doctor involve the parents or carers' in the assessment and management?
How is the management altered by the child's age?

# 14. Eyes and Ears - Case 1: Eye pain

A 24 year old welder returned home from work and over the course of the evening he has increasing pain in his eye. He attends the ED at 11pm and is seen at midnight.



Describe the findings above

Outline the steps required in treatment

Outline the discharge plan including advice given

## 14. Eyes and Ears - Case 2: Painful Red Eye

A 57 year old woman with a red, painful eye, with nausea and vomiting. The symptoms commenced rapidly and there is no history of trauma. Her vision is blurry.



Describe the key findings as you would to a specialist over the phone

What is the diagnosis?

Outline the treatment of this condition

# 14. Eyes and Ears - Case 3: Throat

A 22 year old man presents to the triage nurse stating that he has tonsillitis. He saw his GP today, who prescribed an antibiotic, but unfortunately he cannot swallow tablets, due to pain. He had managed to get one down but he vomited shortly afterwards.

Outline your differential diagnosis
What investigations are required?
Outline your treatment of this man
Find a SSU pathway for tonsillitis and complete it

## 15. Aged care - Case 1: Unable to walk

A 91 year old lady is brought in by ambulance from a residential care facility. She has a letter containing some information about her, but not too much detail about today's problem, other than to say the GP did not see the patient but recommended that the patient be assessed in ED because she cannot walk

What common problems contribute to decline in mobility or function in elderly patients?

Are investigations appropriate? List some tests that are of most value in this situation
TASK: Observe a member of the ECCT (Emergency care co-ordination team) assess an elderly patient.  What specific questions are important in the aged care assessment?
What are the possible disposition options for this patient?
Who is involved in making decisions about the disposition of this patient?
What specialties are involved in aged care assessment? What services can the ECCT provide for patients?

# **BHS Emergency Department Skills and Procedures Checklist - HMO 1**

#### Introduction

The skills and procedure check list have been developed to help you keep a record of your learning and will be used in your end of term appraisal. Where possible ask a senior doctor to observe you undertaking any of the following procedures or document yourself what you have achieved. Some of these procedures can be used for mini clinical exercise assessment (mini-CEX).

Element	Procedure/skill	Dates
Airway	Airway care with simple adjuncts such as pharyngeal airway	
	Insertion of LMA	
	Simple airway manoeuvers	
Breathing	Bag mask ventilation*	
	Perform & interpret peak flow - adult	
	Apply oxygen mask	
	Apply nasal prongs	
	Administer nebuliser	
	Administer medication via a spacer	
	Teach use of spacer	
Circulation	IV access – adult*	
	IV access – large bore	
	Venipuncture	
	Perform & interpret an ECG	
	IV infusion including the prescription of fluids	
	IV infusion of blood & blood products including gaining	
	consent	
Seizure or altered	Perform BLS	
level of consciousness	Urethral catheterisation in adult females& males	
	NG & feeding tube insertion	
Pain Relief	Preparation and administration of IV medication, injections & fluids	
	Injection of local anaesthetic to skin	
	Subcutaneous injection	
	Intramuscular injection	
	Plaster cast/splint limb immobilisation*	
Trauma	Application of a semi-rigid collar*	
	Interpret trauma series X-rays	

	Reduction of minor joint dislocation*	
Element	Procedure/skill	Dates
Trauma	Application of appropriate analgesia	
	Clean wound with minor contamination	
	Surgical knots & simple suture insertion*	
	Close wound with tissue adhesive	
Febrile Patient	Examine ear, nose, throat	
	IV access	
	Blood cultures	
Breathing difficulty	Interpret chest x-ray	
Vomiting Patient	Assess hydration	
	NG & feeding tube insertion	
	IV access	
	IV infusion including the calculation of fluids requirements	
Skin and soft tissue injury	Apply appropriate burn first aid and dressing	
Early pregnancy bleeding/pain	Venous cannulation	
	Gynaecological speculum and pelvic examination*	
Toxicological Emergencies	Appropriate dose, calculation and administration of NAC	
Ophthalmological Emergencies	Corneal & other superficial foreign body removal*	

• \* These procedures can be used for the Mini-CEX

## BHS Emergency Department Skills and Procedures Checklist - HMO 2+

#### Introduction

The skills and procedure check list have been developed to help you keep a record of your learning and will be used in your end of term appraisal. Where possible ask a senior doctor to observe you undertaking any of the following procedures or document yourself what you have achieved. Some of these procedures can be used for mini clinical exercise assessment (mini-CEX).

Element	Procedure/skill	Dates
Airway	Airway care with simple adjuncts such as pharyngeal airway	
	Insertion of LMA	
	Simple airway manoeuvers	
	Simple all way mandeuvers	
	Application of a cervical collar	
Breathing	Bag mask ventilation*	
	Perform & interpret peak flow – adult	
	Apply oxygen mask	
	Apply nasal prongs	
	Administer nebuliser	
	Administer medication via a spacer	
	Teach use of spacer	
Circulation	IV access – adult*	
	IV access – large bore	
	Arterial puncture in an adult	
	Venipuncture	
	Intraosseous access	
	Perform & interpret and ECG	
	Safe defibrillation*	
	IV infusion including the prescription of fluids	
	IV infusion of blood & blood products	
	17 Intuston of blood & blood products	
Seizure or altered	Perform BLS	
level of	Urethral catheterisation in adult females& males	
consciousness	NC 0 feeding tube inscrition	
	NG & feeding tube insertion	
	Lumbar Puncture - adult	
Pain Relief	Preparation and administration of IV medication, injections & fluids	

	Injection of local anaesthetic to skin	
	Digital nerve block	
	Subcutaneous injection	
Element	Procedure/skill	Dates
Pain relief	Intramuscular injection	
	Plaster cast/splint limb immobilisation*	
Trauma	Spine immobilization	
	Application of a semi-rigid collar*	
	In-line c-spine immobilization	
	Splinting of long bone fractures	
	Needle decompression/aspiration of tension or simple pneumothorax	
	Splinting of pelvic fracture	
	Interpret trauma series X-rays	
	Reduction of minor joint dislocation	
	Apply plaster of Paris backslab to lower limb*	
	Infiltration of local anaesthetic	
	Clean wound with minor contamination	
	Surgical knots & simple suture insertion*	
	Close wound with tissue adhesive	
Paediatrics -	Examine ear, nose, throat	
Febrile child	Obtain a clean catch urine	
	IV access	
	Blood cultures	
Paediatrics –	Perform & interpret peak flow – child	
breathing difficulty	Interpret chest x-ray	
Paediatrics -	Appropriate simple airway techniques	
trauma	Cervical spine immobilization	
	IV access and fluid resuscitation	
	Plaster cast/splint limb immobilisation	
	Application of appropriate analgesia	
Paediatrics -	Assess hydration	
vomiting	NG & feeding tube insertion	
	IV access	
	IV infusion including the calculation of fluids requirements	
Skin and soft	Apply appropriate burn first aid and dressing	
tissue injury		
Early pregnancy	Venous cannulation	
bleeding/pain	Gynaecological speculum and pelvic examination*	
	Foetal Doppler	
Toxicological	Appropriate dose, calculation and administration of NAC	
Emergencies		
Ophthalmological	Corneal & other superficial foreign body removal*	
Emergencies	Measures Intra-ocular pressure	

\* These procedures can be used for the Mini-CEX

#### **BHS Emergency Department Mini-CEX Assessment**

#### Introduction

A mini-CEX exercise assessment (mini-CEX) is a 15-20 minute snapshot of doctor-patient interaction observed and assessed by a senior departmental doctor.

#### Instruction

While you are on your ED rotation, try to complete 2 mini-CEX assessments from the skills and procedure check list. It is likely that presenting a case to the Admitting Officer will be a practical way to perform this task. It may well help the AO give feedback and supervise you.

0		
Date:		
Clinical Problem:		
Assessment Criteria	Descriptors	Results
1. History taking	<ul> <li>Elicits a history that is relevant, concise and accurate to patient's context and preferences</li> <li>Effectively uses appropriate questions</li> <li>Responds appropriately to verbal and non-verbal cues</li> </ul>	□ Competent □ Not yet competent
2. Physical examination skills	<ul> <li>Performs a focused physical examination that is relevant and accurate</li> <li>Explains to patient</li> <li>Sensitive to patient's comfort and modesty</li> </ul>	<ul><li>□ Competent</li><li>□ Not yet competent</li></ul>
3. Communication skills	<ul> <li>Develops rapport, trust and understanding with patient/family</li> <li>Accurately conveys relevant information and explanations to patients/family and other health professionals</li> <li>Develops a shared plan of care with patients/families and other health professionals</li> <li>Effectively manages challenges such as obtaining informed consent, delivering bad news, addressing anger and misunderstanding</li> </ul>	□ Competent □ Not yet competent
4. Clinical judgment	<ul> <li>Demonstrates effective clinical problem solving and judgement to address patient problems</li> <li>Interprets available data and integrates information to generate differential diagnoses and management plans</li> </ul>	<ul><li>□ Competent</li><li>□ Not yet competent</li></ul>
5. Professionalism/ Consideration for patient	<ul> <li>Exhibits honesty, integrity, compassion and respect</li> <li>Participates effectively and appropriately in an interprofessional healthcare team</li> <li>Appropriately manages conflicts of interest</li> <li>Aware of own limitations</li> </ul>	<ul><li>□ Competent</li><li>□ Not yet competent</li></ul>
6. Organisation/ efficiency	<ul> <li>Sets priorities and manages time efficiently</li> <li>Manages competing demands and stress</li> <li>Appropriately manages supervision, resources and staff, ED access and flow</li> </ul>	□ Competent □ Not yet competent
Overall	□ Competent	

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performance	□ Not yet competent	
Assessor comments on candidate's strengths and areas for improvement.		

Date:		
Clinical Problem:		
Assessment Criteria	Descriptors	Results
1. History taking	Elicits a history that is relevant, concise and accurate to	□ Competent
	patient's context and preferences	□ Not yet competent
	Effectively uses appropriate questions	
	Responds appropriately to verbal and non-verbal cues	
2. Physical	Performs a focused physical examination that is relevant	□ Competent
examination skills	and accurate	□ Not yet competent
	Explains to patient	
	Sensitive to patient's comfort and modesty	
3. Communication	Develops rapport, trust and understanding with	□ Competent
skills	patient/family	□ Not yet competent
	Accurately conveys relevant information and explanations	
	to patients/family and other health professionals	
	Develops a shared plan of care with patients/families and	
	other health professionals	
	Effectively manages challenges such as obtaining informed	
	consent, delivering bad news, addressing anger and	
	misunderstanding	
4. Clinical	Demonstrates effective clinical problem solving and	□ Competent
judgment	judgement to address patient problems	☐ Not yet competent
	Interprets available data and integrates information to	
	generate differential diagnoses and management plans	
5.	Exhibits honesty, integrity, compassion and respect	□ Competent
Professionalism/	Participates effectively and appropriately in an	☐ Not yet competent
Consideration for	interprofessional healthcare team	
patient	Appropriately manages conflicts of interest	
	Aware of own limitations	
6. Organisation/	Sets priorities and manages time efficiently	□ Competent
efficiency	Manages competing demands and stress	☐ Not yet competent
	Appropriately manages supervision, resources and staff,	
<b>.</b>	ED access and flow	
Overall	□ Competent	
performance	□ Not yet competent	
Assessor comments on candidate's strengths and areas for improvement.		

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	BHS Emergency Department Case Journals	
Introduction		
	ED you are asked to record 2 cases. The purpose of this assessment is to assist you to tice and develop insight into recognizing limitations. During your end of term rotation	
	edback on these journals. (NO PATIENT ID PLEASE)	
	Case/presentation	
<b>Description</b> – what happened		
Feelings – what were you		
thinking and feeling		
Evaluation – what was		
good and bad about the experience?		
•		
Analysis - What sense		
can you make of the		
situation?		
Conclusion - What else		
could you have done?		

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Action plan - If this case arose again would you do anything differently?	

Case/presentation		
<b>Description</b> – what happened		
Feelings – what were you thinking and feeling		
Evaluation – what was good and bad about the experience?		
Analysis - What sense can you make of the situation?		
Conclusion - What else could you have done?		
Action plan - If this case arose again would you do anything differently?		

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Increasing capacity to provide emergency medicine education and training for emergency department teams.

