#### Patient Profile

#### Patient background and medication list

#### Reason for selecting profile

Heart Failure is a topic we have studied this semester and I would like to apply my learning to this area. I found this particular patient interesting due to his recent diagnosis. His condition has rapidly progressed and he is now being assessed for a heart transplant.

Patient's details				
Initials AW	<i>Age</i> 55 years	<i>Gender</i> Male		
<i>Weight</i> 76.5kg on admission 59.2kg on discharge	Height 1.8m	<i>BMI</i> 18.2 kg/m <sup>2</sup> (based on discharge weight)		

Patient history
Presenting complaint Admitted from HF clinic with increased SOB and oedema
Past Medical History Newly diagnosed severe LVSD (August 2015), Osteoarthritis, Vitamin D Deficiency, T2DM
Social History Lives with wife Manages own medication Smoker (<10/day) Occasional Alcohol
Impression/Diagnosis Decompensated heart failure

<i>Plan</i> IV Diuretics Fluid restriction 1.5L Daily weights and U&Es Commence spironolactone Up-titrate ACE inhibitor and beta blocker Review for transplant work up	
Medication list	
Treatment	Indication and evidence
Bisoprolol 5mg OD	Beta blocker licenced for use in heart failure. As recommended by NICE and ESC as first line for management of chronic heart failure (1,2) (Recently increased form 3.75mg OD 3/11/15)
Furosemide 80mg BD	Loop divietic for relief of congestive symptoms and fluid overload as recommended by NICE and ESC (1,2) (Recently increased from 40mg BD 3/11/15)
Ramipril 5mg OD	ACE inhibitor licenced for use in heart failure. As recommended by NICE and ESC as first line for management of chronic heart failure (1,2) (Recently increased from 3.75mg OD 3/11/15)
Metformin 500mg BD	An option for first line therapy of T2DM in patients who are not overweight as recommended by NICE (3) NB. Contraindicated in acute cardiac failure (see drug related problems)
Recent Acute: Vitamin D3 40,000units daily for 10/7 then 20,000units weekly (26/6/15)	Vitamin D3 replacement NB. Loading regimen is not as recommended by GMMMG or National Osteoporotic society who recommend a loading regimen to give 300,000 IU followed by maintenance one month after loading if indicated (4)(5) (Patient states he is no longer taking – see later discussion)
OTC: Occasional ibuprofen for headaches Drug sensitivities	NSAID for acute pain as per WHO pain ladder (6) (NB. Contraindicated in severe heart failure (7) – see later discussion)
NKDA (confirmed with patient and GP)	

## Medication changes

		Dose &			Stop
Treatment	Route	frequency	Indication	Start date	date
			Loop diuretic for fluid overload		
			IV administration increases vasodilation as well as increasing fluid loss		
Furosemide	IV	240mg/24hours	therefore helping with acute symptoms (2)	18/11/15	22/11/15
Bisoprolol	Po	5mg OD	As above	Pre-admission	23/11/15
Ramipril	Po	5mg OD	As above	Pre-admission	24/11/15
Metformin	Po	500mg BD	As above	Pre-admission	Cont.
			Aldosterone antagonist licenced for use in heart failure (8)		
			Recommended by NICE and ESC as add on therapy when treatment with ACE		
Spironolactone	Po	25mg OD	inhibitor and beta blocker is insufficient (1,2)	18/11/15	23/11/15
			LMWH for VTE prophylaxis as per NICE and trust guidelines for medical		
Enoxaparin	SC	40mg OD	patients (9)	18/11/15	30/11/15
			Nicotine replacement. NICE recommend the promotion of licenced nicotine		
Nicotine 14mg			replacement therapies to support abstinence in all patients in a secondary care		
patch	Тор	14mg OD	setting (10)	19/11/15	Cont.
Furosemide	IV	120mg/24hours	Loop diuretic for fluid overload as above (reduced dose – see later)	22/11/15	27/11/15
Sando K	Po	2 tablets TDS	Potassium supplementation (see later)	22/11/15	27/11/15
Bisoprolol	Po	7.5mg OD	As above (increased dose – see later)	23/11/15	Cont.
Spironolactone	Po	50mg OD	As above (increased dose – see later)	23/11/15	Cont.
Ramipril	Po	6.25mg OD	As above (increased dose – see later)	24/11/15	Cont.
Fortisip Compact			Nutritional supplementation as recommended by dieticians due to low weight		
Protein	Po	125mL TDS	and MUST score 1. To be continued on discharge	27/11/15	Cont.
			Loop Diuretic (oral route) for fluid overload.		
			Equivalent dose to admission dose of furosemide although may have better		
			absorption in an oedematous gut. Diuresis is achieved over a shorter time		
			period compared with furosemide (11). To be stabilised on oral diuretic dose		
Bumetanide	Po	2mg BD	for 48 hours prior to discharge as per ESC recommendations (2)	27/11/15	Cont.

# Monitoring plan

Parameter	Justification	Frequency	Result/s or plan
	To facilitate titration of beta blocker and ACE	Minimum Daily	O/A BP 110/70 mmHg
BP & JVP			JVP not recorded in notes
	As an indicator of fluid status	practice as per ward	BP steadily reduced with up titration of beta blocker and Ramipril
		observations policy)	(see progress notes)
			Patient asymptomatic of reduced BP – nil action required
			BP 96/61 mmHg on discharge
HR	To facilitate titration of beta blocker	Minimum daily (4	O/A HR 70bpm
	As an indicator of fluid status	hourly in practice as	HR steady with up titration of beta blocker (see progress notes) -
		per ward observations	nil action required
		policy)	HR stable on discharge (71bpm)
			Patient counselled on possible symptoms of reduced heart rate,
			expected resolution with time and to see GP if problematic
Weight	To monitor response to diuretics and to indicate	Daily	Date 18/11 19/11 20/11 21/11
	if dose increases/decreases indicated. Aim for a		Weight (kg) 76.5 75.6 73.9 72.2
	weight loss of approx. 1kg/day to avoid over-		Date 22/11 23/11 24/11 25/11
	diuresis and excessive strain on the kidneys (2)		Weight (kg) 68.9 66.5 65.4 62.7
	Also as an indicator of nutritional status as		Date 26/11 27/11 28/11 29/11
	indicated by NICE (12)		Weight (kg) 62.2 61.1 60.2 59.5
			Over-diuresis initially – discussed with team and diuretic dose
			reduced (See progress notes)
	_		On discharge (30/11): 59.2kg
Fluid	To assess response to diuretics and monitor	Daily	Patient engaged at recording all inputs.
Balance	hydration status.		Daily input/output sheet completed by nursing staff and patient.
	Patient commenced on fluid restriction on		Negative fluid status recorded.
	admission – need to carefully monitor input and		(Key results noted in progress notes)
	output. Aiming for a negative balance	On a last start the second	ADO a second Definition to the definition of the second state of the
	Need to monitor oxygen saturation to ensure	On admission then as	ABGs normal. Patient not displaying signs of hypoxia. To repeat if
ABGs	patient does not become hypoxic in view of acute heart failure	indicated by results	indicated during admission otherwise nil action required.
Blood	Patient has T2DM. Glucose can increase due to	BMs Twice daily;	Blood glucose and HbA1C within range.
glucose	change in diet as inpatient and acute illness	HbA1C one off	
& HbA1c	HbA1C as an indicator of long term glucose control		

### Monitoring plan and outcomes cont.

Parameter	Justification	Frequency	Result/s or pla	an							
Parameter U & Es	JustificationEspecially creatinine and urea as an indicator for dehydration and over- diuresis and to monitor renal response to treatment. Further, NICE indicate 	Frequency Daily (and regularly on discharge)	Creatinine (µmol/L) Urea (mmol/L) Potassium (mmol/L) eGFR (mL/min) Urea raised in Potassium lov Commenced of Spironolacton potassium on	Range           60-           120           2.5-           7.8           3.5-           5.3           >90           iitially – r           v with IV           on Sando           e and Ra           discharg	104       9.4       4.1       72       resolved diuretics o K. amipril do ge as ren	s – discu oses inci naining b	ssed wit reased p pelow SI	th team prior to c GN refe	90 5.2 4.0 76 ction req (see proj discharge prence ra	gress no e. GP to i nge. Not	71 6.2 3.7 >90 tes).
Leg oedema & SOB	Symptoms of fluid overload; to monitor response to diuretics	Daily	further supple Creatinine, urd Significant oed 48 hours. Oed oedema rema	<u>ea and e</u> dema in dema res ined on o	GFR wit thighs an olved slo discharg	hin rang nd lower owly duri	<u>e on dis</u> legs on ing adm	charge admiss ission. S	<u>– nil actio</u> ion. SOB Some slig	on requir resolve ht pitting	d within J
Pain	Patient occasionally uses ibuprofen PRN for headaches. Advised to stop. Need to ensure monitor pain management and to review for paracetamol as first line if required	Daily	diuretic doses Patient did no use paracetar	t report a	any pain		dmissio	n. Coun	selled or	ı dischar	ge to
FBC	To assess suitability for VTE prophylaxis and monitor for HIT Anaemia can aggravate HF and would require correction pre-transplant (2) Nb. ESC guidelines state that Hb <130g/L in men should be treated.	On admission then every 2- 3 days during admission	Hb g/L Platelets x1 Hb on the low threshold for t and treatment	11 <b>0<sup>9</sup>/L</b> 15 rer end o reatmen	t. GP to	128 157 as per E monitor i	135 146 SC guid		132 150 and at tin		

### Monitoring plan and outcomes cont.

Additional investigations:	BNP as a measure of myocardial damage and prognosis, LFTs and TFTs to detect any underlying cause of HF/	One-off on admission	BNP3920 (poor prognostic indicator) LFTs, TFTs, PFTs - no abnormalities detected
BNP, LTS, TFTS, PFTS	alternative diagnosis. Thyroid disease can also aggravate HF (2)		To continue assessment for heart transplant
ECG	To identify any conduction abnormalities that may aggravate or be responsible for HF	On admission	Nil abnormalities detected – nil action required
Urinanalysis	To identify proteinurea (in view of diabetes and as part of HF assessment)	One-off on admission	Results were normal (Urine albumin <5mg/L). Nil action required.
Exercise tolerance	To assist severity grading for HF and monitor impact on daily living. This will aid any decisions on urgency of stepping up treatment.	In outpatient setting	To be undertaken in outpatient setting. Results not yet recorded
Echo and CMR	To assess cardiac structure and function to aid decisions on management of HF	One off as inpatient	LVEF: 11% - For heart transplant
Imaging: CXR CT thorax & Abdo, USS abdo	To identify pulmonary oedema or a respiratory cause for SOB To assess for any other co-morbidities and any signs of liver disease (part of transplant workup)	One off as inpatient	Hepatic veins prominent due to decompensated HF; Otherwise normal No contraindication to transplantation
Mood	Any patient with a chronic health condition should be monitored for signs of depression (14) This patient has had a very recent diagnosis with rapidly progressing disease.	During admission and on discharge	Patient appeared in good spirits. Patient counselled about support available from heart failure team as outpatient. Provided with leaflets.

## Progress notes and drug related problems Analysis of Drug Related Problems

Drug related problem	Assessment	Priority (high / medium /low)	Action taken/outcome
Risk of over-diuresis with high dose diuretics	Aiming for 1kg/day weight loss as per ESC guidelines (2) Monitor daily weights and fluid balance	High	Daily weights and fluid input/output recorded (see above monitoring) Over-diuresis with initial furosemide dose – discussed with team and dose reduced 22/11. Weight loss remained at upper end of target however renal function remained stable. Team decision to continue to drive diuresis due to excessive fluid overload.
Risk of hyperkalaemia with ramipril, spironolactone and sando K	Daily monitoring of potassium	High	Sando K discontinued when potassium in range Potassium remained normal-low – nil action required. GP/HF clinic to monitor potassium and consider re-starting supplementation if required
Smoking cessation as recommended by SIGN, ESC and NICE for HF patients (1,2,13) Patients should be offered pharmacotherapy to support smoking cessation as per NICE (10)	Patient is a light smoker. He has already reduced significantly since his diagnosis of HF. Currently smokes 7-8/day. Suppy of NRT may help reduce cravings and support smoking cessation. Discuss use of NRT with patient and refer to smoking cessation	High	Counselled patient and discussed use of NRT (see progress notes). Declined use of a quick acting product. To trial patches. Discussed with team – commenced on nicotine patch (14mg/step 2 as per smoking history) (15). Referred to smoking cessation as inpatient and GP to continue support in community on discharge
Patient is slightly underweight (BMI 18.2kg/m <sup>2</sup> ) Optimal nutritional status is important as part of the transplant work up	Referred to dieticians as inpatient	High	Provided diet and lifestyle advice to maintain a healthy weight. Also provided exercise advice in line with HF guidelines (2) Commenced on nutritional supplements – GP to refer to community dieticians to continue on discharge Referred to cardiac rehabilitation (will cover nutrition and exercise)
Check compliance with diuretics / other medication (Recent diagnosis, previously few regular medications)	Discuss medication with patient and family	Medium	Patient counselled with wife present. He is managing well with his medication. I signposted him to his community pharmacy for medication reviews if he feels this would be of benefit at home.

#### Analysis of Drug Related Problems Cont.

Drug related problem	Assessment	Priority (high / medium /low)	Action taken/outcome
NSAID use may contribute to renal impairment (especially in combination with ACE inhibitor & diuretics)	Review if NSAID use can be avoided. Explore indication. If required to continue increase monitoring of renal function and for regular review of ongoing need	Medium	Patient using occasionally for headaches. PMH includes OA however patient says rarely requires analgesia. Counselled patient. Advised to use paracetamol first line for self-management of acute pain. Patient is happy with this and was previously unaware of the risks with ibuprofen or other NSAIDS.
Metformin related problems: Metformin not recommended in diseases that cause tissue hypoxia incl. HF as per licence Metformin can further contribute to weight loss (patient is already slightly underweight) Metformin in combination with an ACE inhibitor pre-admission can further reduce plasma glucose (as per SPC) (16) Patient takes metformin morning and night	Good BM control is essential for the management of his T2DM and prevention of complications but also as part of a transplant workup Use of metformin in patients with HF without significant renal impairment is accepted practice and considered safe (2) Monitor renal function, glucose control and weight loss (see monitoring) Council patient that metformin should be taken with meals to reduce GI effects (GI upset could further contribute to dehydration along with diuretics)	Medium	Renal function stable throughout admission – appropriate to continue Patient counselled on timings of metformin. He said he had difficulty remembering with his evening meal – I suggested keeping a small supply in the kitchen to help him remember when he is preparing his meals. He said he would try this as previously did not understand the importance of taking with food. Discussed monitoring glucose either with GP or at home. He has a home BM meter which he does like to use as he feels it increases his compliance. Advised to continue to use and discuss with GP if BMs consistently out of range. Will require discontinuing 48 priors prior to transplant surgery (to be reviewed at a future date in pre-op once transplant confirmed)
Risk of uncorrected vitamin D deficiency Prescribed vitamin D treatment by GP. Patient states no longer taking. GP unable to confirm intended course length. Patient at increased risk due to dark skin colour as noted by National Osteoporosis Society (4).	Vitamin D status should be checked to assess need for further treatment and/or maintenance	Low	Unfortunately levels not taken as inpatient. Appropriate to manage in community as not related to acute admission. NB. July 2015: 25-OH-VitD2 <10nmol/L 25-OH-VitD3 <15nmol/L Above results consistent with deficiency. Treatment with colecalciferol commenced however unknown if completed and unable to assess normalisation of vitamin D on this admission. GP to review in community (see discharge)

## **Progress notes**

Date	Notes
18/11/15	Patient admitted from HF clinic with worsening exercise tolerance, SOB and bilateral pitting oedema to the upper thigh. NYHA class III. Mild orthopnoea
	Commenced on IV diuretics and Po spironolactone
	Fluid Restricted
	Plan as above
19/11/15	Weight loss 1kg. To continue IV diuretics and current management
	MR completed by pharmacy. Patient questioned on smoking – he currently smokes 7-8/day. NICE recommend the use of combination therapy with a quick acting product such as a spray or inhalator and a patch (10) Discussed the use of NRT with the patient and the benefits of smoking cessation. Patient is keen to stop smoking completely in view of recent diagnosis and prognosis. He understands the benefits of stopping smoking. He would like to try using a patch however at this stage he declined the use of an inhalator/gum/spray but will consider again when he is back home if he is struggling with quitting. Discussed with team and patch prescribed in line with current smoking status (Step 2) (see above). Referred to smoking cessation.
	When questioned on OTC products patient states he occasionally uses ibuprofen for headaches (rarely for OA). Discussed the risks of ibuprofen in heart failure and the risk of worsening renal function along with ramipril and diuretics. Advised paracetamol as an alternative for occasional use and to see GP if he needs stronger analgesia.
	Discussed timings of metformin administration (see above). Advised patient that it is best to take with food.
20/11/15	Weight 73.9kg
	Continue current management
	BNP 3920 (poor prognostic indicator)
	Begin transplant work up
22/11/15	Diurising well. Weight: 68.9kg, Output 5780mL/24 hours
	Total weight loss since admission: 7.6kg (over 4 days)
	Over diuresis however still significant oedema – diuretic dose reduced to 120mg/24 hours
	Potassium low (3.2mmol/L) – discussed with team (aiming for 4-5mmol/L) - for repeat U & Es; Commenced on Sando K for oral supplementation
	Eating and feeling well

# Progress notes Cont.

23/11/15	Weight 66.5kg						
	Potassium remains low (3.3) – continue Sando K						
	Creatinine stable						
	BP 107/65mmHg (non-symptomatic) HR 70bpm						
	Increase spironolactone to 50mg OD						
	Increase beta blocker by 2.5mg to 7.5mg OD and monitor response of BP and HR						
	Complete transplant workup including arranging CMR scan, dental review, PFTs, US abdomen, LFTs						
24/11	Weight 65.4kg						
	Continuing to lose weight, 1kg weight loss from yesterday (in line with target daily weight loss)						
	Still significant fluid in lower limbs						
	RHC to measure heart pressures						
	LVEF 11%						
	BP 101/60mmHg HR 69bpm; U&Es stable						
	Ramipril increased to 6.25mg OD						
26/11	Weight 62.2kg						
	BP 91/58mmHg HR 68bpm						
	Not for further titration of ACE inhibitor or beta blocker at this stage						
	Likely some residual pedal oedema						
	LFTs and US liver/abdomen ok						
27/11	Breathing and peripheral oedema improved; Small amount of pitting in feet only						
	Patient mobilising and feeling well						
	BP 96/61mmHg HR 71bpm RR 14rpm						
	Potassium normalised – Sando K discontinued						
	Dietician review – commenced on fortisip compact protein TDS due to MUST score 1 and for continuation of supply on discharge (5/7)						
	For Po diuretics. IV furosemide discontinued. Commenced on Po bumetanide (N.B ESC recommend patients are stabilised on an oral diuretic regimen for at least 48 hours prior to discharge after an admission due to heart failure (2)						
	Po Furosemide not to be restarted (came in on)						
30/11/	Discharge counselling – smoking, lifestyle (diet and exercise), diabetes control, diuretics (see below)						
	Patient discharged						
	For Heart failure clinic follow up in 2/52						
	Transplant work up to continue as outpatient						

# Discharge / ongoing planning and follow up

Discharge requirement	Action taken / forward communication
	GP to repeat vitamin D level and re-treat or initiate maintenance if indicated in line
Vitamin D (see above for justification)	with GMMMG (5)
Patients with heart failure should be offered annual influenza and one—off	Discussed with patient (not yet had influenza vaccine) – GP to review in
pneumococcal vaccinations as recommended by NICE (1)	community to give influenza vaccine
Advice on regular physical activity	Counselled on discharge and referred for cardiac rehabilitation
	Provided with advice from HF nurses and pharmacist about regulating salt intake
	and to avoid "low salt" substitutes which can have a high potassium content
	(increased risk of hyperkalaemia with ramipril and spironolactone).
	Commenced on nutritional supplements as inpatient. Dieticians to organise
	ongoing follow up and to communicate with GP regarding specific dietary needs
Advice on nutrition and diet	and monitoring.
	Patient counselled about
	-how to adjust timings of diuretics to fit in with daily tasks
	-holding diuretics in the event of a dehydrating illness such as severe N&V and to
	seek medical attention to avoid excessive dehydration
	Patient also counselled by HF nurses on reducing diuretics at home if indicated,
Advice on using diuretics	although at present to continue on same dose until reviewed in clinic
Olean manifesting of DD and UD in community & titration of AOC in hit iter and	GP to review within a week of discharge (and regularly thereafter). GP to monitor
Close monitoring of BP and HR in community & titration of ACE inhibitor and	HR, BP and U&Es (in view of recently increased bisoprolol and ramipril)
beta blocker to maximum tolerated doses	HF clinic to review at outpatient appointment (to be seen within 2/52 of discharge
Monitoring of U&Es in community (in view of increased diuretics and titration of ramipril). Need to avoid over diuresis which could potentiate renal	as per NICE quality standards) (17) ACE inhibitor and beta blocker should be titrated to maximum tolerated doses as
impairment and cause hypotension	per the BNF (18)
	Patient advised to weigh himself daily at the same time each day. Patient advised
	to report to GP or contact HF nurses if he gains more than 1.5-2kg in 2 days (as
Patient to monitor own weight regularly	per SIGN and ESC recommendations (13) (2)

# Discharge / ongoing planning and follow up cont.

Discharge requirement	Action taken / forward communication			
Monitor for side effects of newly started spironolactone such as gynaecomastia (18)	Patient informed of possible side effects and advised to discuss with his GP if become problematic. GP and HF team to monitor at regular reviews. Review to eplerenone if problematic side effects specific to spironolactone (13)			
Signposting to support groups and further information	Patient informed of information on the British Heart Foundation website and directed to patient information leaflets on the website Patient provided with Medicines Information advice line on discharge.			
Ongoing support for smoking cessation: Patient should have at least 7 days supply of NRT and be offered face to face support for at least 4/52 post discharge (10)	Supplied with NRT on discharge and GP/smoking cessation team to continue support in community.			
Monitor Hb and review for further investigations +/- treatment if consistently <130g/L (see above re justification)	GP to monitor and to undertake iron studies if indicated to assess if there is a need for oral iron. Monitoring of tolerability and response to oral iron will be required			

# **Continuing Professional Development**

Learning plan and record	
Learning need identified	Action taken
I would like to understand more about the requirements for transplant work up. This includes the decision criteria involved in assessing the suitability of patients for heart transplant and optimisation of co-morbidities such as diabetes	Discuss with cardiology pharmacist and transplant liaison team. Next time I am managing a patient who is being considered for a transplant I will discuss the case with the HF nurses as they regularly visit the patients on the ward.
Use of medication in heart failure	Read directed reading as part of diploma learning Discussed the use of diuretics with specialist pharmacist on heart failure study day who explained bumetanide is often chosen to replace furosemide in very oedematous patients as it may have a better absorption profile, as was the case for this patient. Attended heart failure medication talk and discussed with patients their experiences of heart failure and managing symptoms with medication. Discuss interesting patients with HF specialist nurses Completed CPD cycle on medication use in heart failure in the acute setting & associated patient counselling.
I was previously unaware of the contraindication for metformin in cardiac failure and would like to understand more about the risk vs benefit of using this medication in this patient group	Discuss with diabetes nurses Discuss with cardiology and diabetes pharmacists After this patient's admission I discussed this with the diabetes specialist on the study day for the diploma. I have learnt that it is only contraindicated in the acute phase of heart failure. It would normally be held while actively treating fluid overload to reduce additional load on the kidneys if you were concerned about renal function. I have since completed a CPD cycle and been able to apply this learning to the care of other heart failure patients and discussed this learning with my diploma tutor.
I would like to understand more about the communication between dieticians and the GP including how and when they write to the GP and what the GP is asked to do to support nutrition. I frequently have patients who are referred to the dieticians and commenced on nutritional supplements and it would be beneficial to understand their requirements post discharge so I can explain this to the patients when supplying their supplements with their TTO.	Discuss with ward dieticians and nutrition pharmacist

#### **RPS Foundation Framework Mapping**

Cluster 1 Patient and Pharmaceutical Care	Cluster 2 Professional Practice	Cluster 3 Personal Practice	Cluster 4 Management and Organisation
Standards met:	Standards met:	Standards met:	Standards met:
<ul> <li>1.1 Patient Consultation</li> <li>1.2 Need for the Medicine</li> <li>1.4 Selection of the Medicine</li> <li>1.5 Medicine Specific Issues</li> <li>1.6 Medicines Information and Patient Education</li> <li>1.7 Monitoring Medicine Therapy</li> <li>1.9 Transfer of care</li> </ul>	2.1 Professionalism 2.3 Effective Communication Skills	<ul> <li>3.1 Gathering information</li> <li>3.2 Knowledge</li> <li>3.3 Analysing</li> <li>Information</li> <li>3.4 Providing Information</li> </ul>	

Assessment							
A. Patient background and med list	B. Progress notes and medication changes	C. Monitoring plan	D. Identific-ation of DRPs	E. Action plan	F. Evidence for drug usage	G. Discharge planning and follow up	H. CPD
/5	/5	/5	/5	/5	/5	/5	/5
Total / 40	I	1					
First assessor's s	ignature and com	ments					
A. Patient background and med list	B. Progress notes and medication changes	C. Monitoring plan	D. Identific-ation of DRPs	E. Action plan	F. Evidence for drug usage	G. Discharge planning and follow up	H. CPD
/5	/5	/5	/5	/5	/5	/5	/5
Total / 40							
Second assessor	's signature and c	omments					
Agreed r							

Profile number: 3

References