

HAEMODIALYSIS TRAINING DOCUMENT.

CATEGORIES

1 – registered dialysis nurse

2 – trained dialysis assistant

3 – HCA with no dialysis experience

Subject: Dialysis

Aim: To understand the principles involved in haemodialysis/haemodiafiltration

	EVALUATED	COMPETENT	COMMENTS	Staff responsible for task
1. Define and discuss Haemodialysis / haemodiafiltration				1, 2, 3
2. Discuss the dialysis prescription including dialyser size, needle size, dialysate, time and KT/V.				1, 2

Competence achieved	
Assessor sign & date:	Trainee sign & date:

Subject: Dialysis Documentation

Aim: To have an understanding of the importance of dialysis documentation

	EVALUATED	COMPETENT	COMMENTS	Staff responsible for task
1. Discuss the importance of keeping accurate documentation				1, 2, 3

Competence achieved	
Assessor sign & date:	Trainee sign & date:

Subject: Blood Pressure

Aim:

To have an understanding of the principles of blood pressure monitoring

	EVALUATED	COMPETENT	COMMENTS	Staff responsible for task
1. Demonstrate the correct procedure for monitoring and taking a patient's blood pressure using the equipment provided				1, 2, 3
2. Explain the appropriate action to take if a patient has recorded a low blood pressure prior to commencing dialysis				1, 2
3. Explain the appropriate action to take if a patient has recorded a high blood pressure prior to commencing dialysis				1, 2

Competence achieved

Assessor sign & date:

Trainee sign & date:

Subject:

Fluid balance

Aim:

To understand the principles of fluid balance and the ability to safely remove fluid to achieve dry weight.

	EVALUATED	COMPETENT	COMMENTS	Staff responsible for task
1. Define and discuss dry weight and fluid balance				1, 2
2. Define and discuss the symptoms of fluid overload				1, 2
3. Define and discuss the symptoms of dehydration				1, 2
4. Discuss and demonstrate the correct procedure to				

use if: Patient shows signs of dehydration (include stopping UF, reducing target UF)				1, 2
5. Demonstrate the correct procedure for administering saline / online bolus (include post saline / online administration assessment, review of dialysis prescription)				1, 2
6. 5008 discuss emergency button, what its function is				1, 2

Competence achieved	
Assessor sign & date:	Trainee sign & date:

Subject: Temperature

Aim: To understand the importance of recording a baseline temperature

	EVALUATED	COMPETENT	COMMENTS	Staff responsible for task
1. Demonstrate the correct procedure for accurately recording a temperature				1, 2, 3
2. Discuss the importance of monitoring temperature				1, 2, 3
3. Explain the appropriate action to take for a high temperature				1, 2, 3

Competence achieved	
Assessor sign & date:	Trainee sign & date:

Subject: Lining the dialysis machine

Aim: To have the ability to safety and correctly line the dialysis machine

	EVALUATED	COMPETENT	COMMENTS	Staff responsible for task
1. Discuss function check / T1 test				1, 2, 3
2. Identify the correct anticoagulant (check date, dose and strength)				1, ?? 2 as classed as drug
3. Correctly line the dialysis machine following a non-touch technique				1, 2, 3

Competence achieved	
Assessor sign & date:	Trainee sign & date:

Subject: Priming the dialysis machine

Aim: To have the ability to safely and correctly prime the dialysis machine

	EVALUATED	COMPETENT	COMMENTS	Staff responsible for task
1. Identify the correct time to start priming/rinsing the dialysis machine and initiate the priming/rinsing process				1, 2, 3
2. Explain and demonstrate the importance of removing air from the lines and dialyser				1, 2, 3
3. Identify when the priming / rinsing process is complete				1, 2, 3
4. Using a non-touch technique correctly form a closed circuit if applicable				1, 2, 3
5. Demonstrate the ability to programme: <ul style="list-style-type: none"> • Target loss (UF) • Heparin (if applicable) • Sodium • Bicarbonate • Time • Temperature • OCM / KT/V 				1, 2

Competence achieved	
Assessor sign & date:	Trainee sign & date:

Subject: Insertion of fistula needles

Aim: To have the ability to safely insert and secure fistula needles.

	EVALUATED	COMPETENT	COMMENTS	Staff responsible for task
1. Assemble the correct equipment required for cannulation and prepare area				1, 2
2. Explain the rationale of cleaning and assessing the access site prior to cannulation				1, 2
3. Identify where it is safe to cannulate the fistula				1, 2
4. Discuss the risks of life threatening bleeding from access and action to take				1, 2
5. Discuss rationale for the use of the rope ladder technique				1, 2
6. Discuss signs and symptoms of an infected exit site and action to take referring to Monitoring Access for Haemodialysis document (Jan 2013) (appendix)				1, 2
7. Demonstrate the correct procedure for the insertion of fistula needles and securing of needles				
8. Discuss what action should be taken when there is a blow or failure to cannulate				

Competence achieved	
Assessor sign & date:	Trainee sign & date:

Subject: Preparation of dialysis line in conjunction with Renal CVAD (SOP CG 042)

Aim: To have the ability to safely and correctly prepare dialysis line in preparation for dialysis.

	EVALUATED	COMPETENT	COMMENTS	Staff responsible for task
1. Demonstrate the correct preparation of the area and equipment required for dialysis				1
2. Demonstrate correct procedure for preparing the line for dialysis and discuss action to take if: <ul style="list-style-type: none"> • No flow from line • Resistance from the line • Damage to the line 				1
3. Demonstrate the correct procedure for cleaning the exit site				1
4. Discuss signs and symptoms of an infected exit site and action to take referring to Monitoring Access for Haemodialysis document (Jan 2013) (appendix)				1

Competence achieved	
Assessor sign & date:	Trainee sign & date:

Subject: Commencement and maintenance of dialysis treatment

Aim: To have the ability to commence dialysis and maintain treatment.

	EVALUATED	COMPETENT	COMMENTS	Staff responsible for task
1. Demonstrate the correct procedure				1, 2

for connecting the dialysis lines to access and commencing treatment.				
2. Demonstrate the ability to: <ul style="list-style-type: none"> • Adjust blood flow • Adjust venous and arterial pressure alarms • Administer anticoagulant correctly 				1, 2
3. Demonstrate the ability to safely take blood samples and swabs when required and label correctly				1, 2
4. If diabetic, demonstrate how to monitor blood sugar pre and post dialysis				1, 2

Competence achieved	
Assessor sign & date:	Trainee sign & date:

Subject: Completion of dialysis (Fistula)

Aim: To demonstrate the ability to reinfuse.

	EVALUATED	COMPETENT	COMMENTS	Staff responsible for task
1. Identify when dialysis is complete				1, 2
2. Demonstrate the reinfusion procedure both online and sodium chloride				1, 2
3. Demonstrate the ability to safely disconnect from the dialysis machine				1, 2
4. Demonstrate how to remove fistula needles				1, 2
5. Demonstrate the				

correct procedure for disposing of sharps.				1, 2
6. Discuss end of dialysis observations including kt/v, and post dialysis blood circuit				1, 2

Competence achieved	
Assessor sign & date:	Trainee sign & date:

Subject: Completion of dialysis (Dialysis line in conjunction with Renal CVAD SOP CG 042)

Aim: To demonstrate the ability to reinfuse.

	EVALUATED	COMPETENT	COMMENTS	Staff responsible for task
1. Identify when dialysis is complete				1
2. Demonstrate the reinfusion procedure both online and sodium chloride				1
3. Demonstrate the ability to safely disconnect from the dialysis machine				1
4. Demonstrate how to safely administer Citro-lock, and secure access				1
5. Demonstrate the correct procedure for disposing of sharps.				1

Competence achieved	
Assessor sign & date:	Trainee sign & date:

Subject: Disinfection of Dialysis Machine

Aim: To demonstrate the ability to disinfect the machine correctly.

	EVALUATED	COMPETENT	COMMENTS	Staff responsible for task
1. Demonstrate the				

ability to access the cleaning menu and selecting the correct cleaning option				1, 2, 3
2. Demonstrate the ability to safely dispose of the dialysis lines				1, 2, 3
3. Demonstrate the ability clean the exterior of the dialysis machine				1, 2, 3
4. Discuss changing citrosteril and diasafes				1, 2, 3

Competence achieved	
Assessor sign & date:	Trainee sign & date:

Subject: Problem solving during dialysis

Aim: To demonstrate an understanding of the action needed when an alarm is present

	EVALUATED	COMPETENT	COMMENTS	Staff responsible for task
1. Demonstrate the correct procedure for: <ul style="list-style-type: none"> • Blood leak alarm • Micro bubbles • Venous access alarm • Raising blood level in venous drip chamber 				1, 2
2. Discuss and demonstrate circulation				1, 2
3. Discuss actions to be taken in the event of a power failure.				1, 2
4. Discuss the reasons for changes in venous / arterial pressures and demonstrate the correct action to take				1, 2
5. Discuss the causes of high TMP and demonstrate the				1, 2

correct action to take				
6. Discuss what to do if patient becomes unwell during treatment				1, 2
7. Discuss action to take if patient develops chest pain whilst on dialysis				1, 2
8. Demonstrate how access reinfusion menu if early termination is required				1, 2
9. Discuss how to reinfuse through the arterial needle if venous needle has blown or become dislodged				1, 2
10. Diabetic patients, discuss how to check blood sugar pre and post dialysis or if unwell.				1, 2

Competence achieved	
Assessor sign & date:	Trainee sign & date:

Subject: IV Iron and Erythropoietin Stimulating Agent (ESA) Therapy

Aim: To have an understanding of IV Iron / ESA Therapy.

	EVALUATED	COMPETENT	COMMENTS	Staff responsible for task
1. Discuss the importance of Iron / ESA therapy.				1
2. Demonstrate how to safely administer IV Iron whilst on dialysis (to include checking dose of drug and expiry date, cleaning of vial and administration port).				1
3. Demonstrate how to safely administer ESA whilst on				1

dialysis (to include checking of drug and expiry date and cleaning of administration port).				
4. Discuss the action to be taken if you suspect a reaction				1
5. Discuss reasons for omitting a dose of Iron / ESA				1

Competence achieved	
Assessor sign & date:	Trainee sign & date:

