

## Procedure Information Sheet - Central Venous Catheter

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### **Introduction**

Insertion of Central venous Catheter is necessary for patients on long-term or temporary hemodialysis, hemoperfusion or plasma exchange therapy.

### **Procedure**

1. The procedure is performed under local or general anaesthesia.
2. The insertion of Central venous Catheter is a minor surgery.
3. The surgeon will select the internal jugular vein, subclavian vein or femoral vein as placement.

### **Pre-operative preparation**

1. You will need to sign a consent form and your doctor will explain to you the reason, procedure and possible complications.
2. The surgeon will assess the patient and determine the placement of Central Venous Catheter.
3. Keep the placement and surrounding skin intact to prevent infection. If femoral vein is selected for placement, shaving will be done before operation.

### **Possible risks and complications**

- Pneumothorax
- Hemothorax
- Arterial puncture
- Arrhythmia
- Catheter infection or exit site infection
- Thrombosis of catheter
- Catheter malposition
- Stenosis is of cannulated vessel

### **Post-operative information**

#### ***A. Hospital care***

1. If the operation is successful, a catheter with waterproof dressing will place on chest wall or femoral area. X- Ray is taken to confirm placement.
2. If any pain from the operation site, you can ask the health care professionals for analgesic. If your condition is satisfactory, you will be discharged on the same day.

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### ***B. Home care after discharge***

1. The patient should take good care of the catheter, which is his/her 'lifeline'. Always keeps the catheter dressing dry and intact.
2. Keep dressing dry and intact, if any loosen or get wet; inform the renal staff immediately for changing the dressing and observing any signs and symptom of infection.
3. Pullover clothes are avoided; blouse or shirt is recommended to prevent any shearing force on the catheter.
4. Maintain good personal hygiene. No tub-bath, daily shower is recommended. Use wrap paper and a towel cover the catheter dressing before shower to prevent the catheter get wet.
5. Observe the catheter dressing at least daily, if there is any blood, yellowish discharge or odor smell, inform the renal staff immediately.
6. Inform health care professionals prior to any minor surgeries (such as tooth extraction) an antibiotic can be given to prevent infection.

### **Remark**

- Central venous Catheter in good condition is crucial to the success and safety of hemodialysis. Patient should therefore always take good care of the catheter.
- The above mentioned procedural information is not exhaustive, other unforeseen complication may occur in special patient groups or different individual. Please contact your physician for further enquiry.

**Reference:** [http://www21.ha.org.hk/smartpatient/tc/operationstests\\_procedures.html](http://www21.ha.org.hk/smartpatient/tc/operationstests_procedures.html)

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I acknowledge that the above information concerning my operation/procedure has been explained to me by Dr. \_\_\_\_\_. I have also been given the opportunity to ask questions and receive adequate explanations concerning my condition and the doctor's treatment plan.

**Name:**

Pt No.:            Case No.:  
Sex/Age:            Unit Bed No.:  
Case Reg Date & Time:  
Attn Dr:

Patient / Relative Signature: \_\_\_\_\_

Patient / Relative Name: \_\_\_\_\_

Relationship (if any): \_\_\_\_\_

Date: \_\_\_\_\_