

血液透析/血液過濾

簡介

血液透析或血液過濾是利用人工腎臟的透析或過濾，將廢物排出體外，但不可代替腎臟的內分泌和新陳代謝功能。主要用於末期腎臟衰竭或急性腎功能衰竭的病人。

準備工作

需簽署同意書。

過程

- ◆ 醫生將一條導管插入靜脈血管，將血液輸出體外進行清洗
- ◆ 體內的血液由儀器抽出，經過人工腎透析或過濾後的血液回流入身體內

- ◆ 血液透析是一個間歇性的治療。治療過程需時二至四小時。整個療程則視乎個別病情需要，每日一次或一星期數次不等
- ◆ 血液過濾是一個持續性的治療
- ◆ 血液透析或血液過濾所需的時間須視乎病人的腎功能有無改善而定
- ◆ 如果病人不能承受，治療可以隨時終止

護理和建議

- ◆ 治療期間，需要臥床休息，身體活動將會受到一些限制
- ◆ 抽血化驗，以確定療效
- ◆ 家人請給予精神上的支持

併發症

- ◆ 插入導管的位置可能有滲血或感染
- ◆ 透析或過濾期間血壓偏低

如有任何疑問，請聯絡深切治療部的醫生或護士

以上資料由瑪麗醫院深切治療部提供。



瑪麗醫院

Queen Mary Hospital

血液透析/血液過濾
**HAEMODIALYSIS/
HAEMOFILTRATION**

HAEMODIALYSIS/ HAEMOFILTRATION

Introduction

Haemodialysis / Haemofiltration is a process of removing accumulated waste products in the blood and restoring body's haemostatic balance. It is a substitute for the excretory function of the kidneys but does not replace its endocrine and metabolic functions. It is mainly used for patients with end-stage renal failure or acutely ill patients with significantly impaired renal function.

Preparation

A written consent is required before the procedure.

Procedure

- ◆ The doctor will insert a catheter into the vein and drain out the blood for 'cleaning'
- ◆ The blood will be drained out actively by the machine and then passed through the

artificial kidney for filtration. The filtered blood will subsequently be infused back to the body

- ◆ Haemodialysis is an intermittent procedure, each session lasts for about two to four hours. This may be required either daily or several times per week
- ◆ Haemofiltration is a continuous process
- ◆ The duration of either haemodialysis or haemofiltration depends on the patient's renal condition and if there is any recovery of renal function
- ◆ If patient cannot tolerate the procedure, physician can stop the dialysis at any time

Care & Advice

- ◆ Patient has to be bed ridden during the procedure. Limitation in movement is required, especially at the catheter site
- ◆ Regular blood examination is required during the procedure to evaluate the effectiveness of the treatment
- ◆ Patient's family or friends are advised to provide emotional support to the patient during the procedure

Complications

- ◆ Bleeding and infection at the catheter entry site
- ◆ Low blood pressure during the procedure

Should there be any doubt, consult the doctor or nurse of ICU

Information provided by Department of ICU, Queen Mary Hospital.