

Hosp No. :	HKID No.:
Case No. :	
Name :	
DOB :	M / F
Adm Date :	
Contact No.:	

Procedure Information Sheet – Cardiac Catheterization and Coronary Angiogram

1. Introduction

- 1.1. Cardiac catheterization is used to investigate the structure and function of the heart. Coronary angiogram is used to investigate for any narrowing of the coronary arteries (arteries that supply blood to heart muscle). Both procedures are performed with the use of X-ray. Apart from exceptional cases, both procedures can be performed together.

2. Importance of Procedure

- 2.1. This is an invasive procedure. Cardiac catheterization can provide in-depth and specific information of various cardiac diseases. Coronary angiogram can provide a clear picture of the severity and location of narrowing in the coronary arteries. These can help doctor formulate the plan of management. In emergency situation caused by acute coronary syndrome (heart attack), the procedure is important in diagnosis. It is also a step stone to coronary intervention which serves to open up the artery and improve the heart function. This approach, despite its invasiveness, can be life-saving and the consequence can be detrimental if it is delayed. Even though there exist other alternative investigative tools, the information they provide are indirect and less specific. (Please ask your doctor for details)

3. Preparation before the procedure

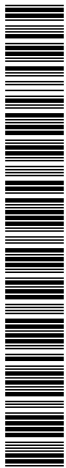
- 3.1. You will be invited to a ward or out-patient clinic for some preliminary tests including electrocardiogram, Chest X-ray and blood tests. Medical staff will check patient's allergy history. These can be performed days before the procedure or on the day of admission.
- 3.2. Doctor will explain to you and your relatives the details of the procedure together with the possible risks and complications. You have to sign an informed consent.
- 3.3. Blood thinning drug (warfarin) or diabetic drug (metformin) may have to be stopped several days before the procedure. Steroid will be given if there is history of allergy. Special anti-platelet drug should be taken if PCI is also planned.
- 3.4. Fasting of 4-6 hours is required prior to the procedure. An intravenous drip may be set up. Shaving may be required over the puncture site.
- 3.5. Female patient needed to provide her last menstrual period (LMP) and avoid pregnancy before the procedure as this procedure involves exposure to radiation.

4. The Procedure

- 4.1. This procedure is performed under local anesthesia in a cardiac catheterization centre.
- 4.2. You are awake during the procedure, but doctor may give you sedation to calm you down.
- 4.3. Electrodes are adhered to the chest to monitor the heart rate and rhythm. Blood oxygen monitor through your finger tip will be set up. Measurement of blood pressure from your arm will be taken during the examination.
- 4.4. A small wound is made over the groin, wrist or neck for access to arteries or veins.
- 4.5. Catheters are advanced to the heart under X-ray guidance.
- 4.6. Pressures within the heart are measured. Blood samples are drawn from various heart chambers to determine their oxygen saturation.
- 4.7. Contrast is injected and films are taken.
- 4.8. During the procedure, you may be asked to hold breath or cough. You may experience a hot flush feeling when contrast is injected.

5. After the Procedure

- 5.1. After the procedure, catheters will be removed. The wound site will be compressed to stop bleeding. Sometimes special devices are used to stop bleeding.
- 5.2. Nursing staff will check your blood pressure, pulse and wound regularly.





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HONG KONG
港怡醫院

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I acknowledged the above information concerning the operation or procedure. I have also been given the opportunity to ask questions and received adequate explanations concerning the condition and treatment plan.

Patient/ Relative Signature: _____

Patient/ Relative Name: _____

Date: _____

