

## News from the Facilities Modernisation Project



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## Construction Underway!

Many of you will have noticed the huge tower crane outside the main entrance to the Adult Medical Centre (AMC). It's installation marks a milestone in the FMP Project, as construction gets underway for the AMC extension and Cardiac Catheter Laboratory.

### So what will be happening?

#### AMC:

The roof will be progressively removed to add two new floors i.e. floors 4 and 5, which when completed will provide an extra 120 beds.

Level 3 which is currently an empty shell will be fitted-out with 60 beds and will be completed in March 2006.

The AMC currently has 138 beds.

#### Cardiac Catheter Laboratory:

Construction is underway with completion planned for mid- September 2005. The first stage involves constructing the new roof and floor of the plant room. This will consist of a steel shell and concrete plate from which the X-ray equipment will hang.

The affected area i.e. the connecting corridor between ward 3 and the Cardiac Catheter Laboratory will be hoarded off.

To minimise disruption building materials will be brought into the shell space on Level 1, AMC by crane or over the roof of the Dialysis unit. At this stage no materials will come in through the Hospital.

Regular impact meetings are being held to minimise the effect building works may have on staff, retail, patients, visitors and the operation of the Hospital.



Tower Crane



Scaffolding - AMC

## Construction underway for NEW Neonatal Intensive Care Unit (NICU)

Construction commenced Monday 4 July 2005 on the new Neonatal Intensive Care Unit.

The first stage involves constructing the floors followed by items such as air ducts and risers.

Next come the walls and the plant rooms.

Completion is planned for November 2005.

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## The Neonatal Intensive Care Unit makes decision on Pendant

Following months of evaluation the Neonatal Intensive Care Unit (NICU) team have chosen the 'H series' Tandem Pendant from Medical Design Innovation (a Brisbane based company).



"We chose the tandem pendant as it can be completely customised to our requirements," says NICU Project Team Leader, Helen McConachy. "The pendant is designed with multiple features for maximum service capability."

Features include:

- Friction pads on all pivot points which allows easy adjustment to users needs.
- Large load capability e.g. maximum loads on double-arms = 250kg
- The unit has a number of gas, electrical, nurse call outlets as well as shelves, drawers, brackets and IV poles due to the mounting rail system installed in the console.
- Easy upgrading capability e.g. the tandem pendant can have its secondary arm replaced with a raise/lower motorised arm for extra floor clearance.

## The Neonatal Intensive Care User Group 'mock-up' new rooms

An important part of the planning stage for the new Neonatal Intensive Care Unit (NICU) has begun.

Using the existing empty space on the first floor of the Acute Hub, the NICU User Group 'mocked up' two Level 3 cot spaces.

For the room 'mock-up' actual equipment and furniture was used which included: a heat table, an incubator, a mothers kangaroo cuddle chair, storage trolley, nurses trolley, makeshift pendant and clinical storage unit.

"The aim is to give us an accurate real life feel for the area and space that we will have in our new unit," says NICU Project Team Leader, Helen McConachy.

"It also allows us to play with the layout so that we can position the pendants to give us as much flexibility as possible."

Helen says the people involved at this stage of the project include Operational Project Manager Margaret Garthwaite, Project Manager Nicolas Giraldo, the team from BOC (pendant), Associate Charge Nurses and Clinical Nurse Educators.

Other NICU Staff will get the opportunity to view the area and give their feedback.



Mock-up of two Level 3 cot spaces



## New Cardiac Catheter Laboratory brings many challenges.

*Each issue of Counties Column will profile a User Group member. In this issue we talk with Chris Jaggs, Project Manager for the new Cardiac Catheter Laboratory.*



Planning a new Cardiac Catheter Laboratory is a challenging exercise. Can you describe the input you have had into the design and development of the new Cardiac Catheter Laboratory?

There have been several attempts to get a new Cardiac Catheter Laboratory for the Counties Manukau District Health Board. It was important to bring together the best ideas and concept designs from previous planning and combine these with the user groups current requirements and technologies. Part of my role is to consult and where needed bring in staff or information from outside the core User Group. For example support services, security, fire, orderlies, cleaners and many others need to provide their part of the 'jigsaw'. I also liaise with wards and services during construction to ensure continuity of ongoing services.

What are the priorities for the new Cardiac Catheter Laboratory, i.e. what changes would you like to see?

There are a number of priorities which include functionality, adjacency to other related services, patient and staff accessibility, ability to future proof and of course affordability and budget. The buildings, equipment, IT links and staff are all crucial to the provision of the new service.

What has been your greatest learning experience while working on the project?

The new Cardiac Catheter Laboratory will bring many benefits to staff and patients. For this reason staff are very tolerant and patient regarding the building works taking place. This re-inforces the essential need for team work and communication.

What has been the greatest success so far?

Starting the project has been our greatest success. As mentioned earlier there have been several attempts to get a new Cardiac Catheter Laboratory underway so there was a little cynicism to overcome. Now that construction has commenced and the major equipment ordered, people really believe it's happening.

What has been the most difficult challenge and how did you and the User Group resolve it?

I feel I can speak for the entire User Group in saying the most difficult challenge has been the sheer complexity of the various parts that make up the new Cardiac Catheter Laboratory. For example the implications on Information Technology (IT) are huge. Everyone involved in this Project needs to work together to resolve this ongoing challenge.

## Imaging Equipment chosen for new Cardiac Catheter Lab

When we last reported on the Cardiac Catheter Laboratory a designated group were looking at new imaging and haemodynamic equipment as well as image management software. A decision has been made to purchase an image management and haemodynamic solution from Equipmed. The imaging equipment has been purchased from Siemens and is a ceiling mounted system.

So why was the Siemens ceiling mounted option chosen?

The Siemens AXIOM Artis dTC allows the generation of clear images for both interventional and diagnostic work. The system comprises a ceiling mounted C-arm and the latest flat panel detector. The C-arm function was chosen because it offered the following advantages:

- Three-sided patient approach for extended patient imaging
- Maximum free floor space
- 3 dimensional imaging of the anatomy

Flat panel technology is the latest technology on the market and offers the following advantages:

- On-line image review
- High contrast and image clarity providing detailed views of the smallest vessels in the heart.
- Lower radiation dose than traditional systems with excellent image quality.
- Improved patient access and comfort due to the reduced size on the image receptor.

"The haemodynamic and information management systems complete the package that we have purchased," says Medical Operations Manager, Leanne Elder.

"The haemodynamic system allows us to display and record waveforms and patient data which is collected and analysed during the case.

"This haemodynamic system then feeds into the overall image management system providing a comprehensive record of the patient visit to the Catheter Laboratory which becomes part of their clinical record. This record which is created during the procedure is created by using an intuitive user interface."

Leanne explains that in addition to image quality, patient and user comfort played an important role in the teams final recommendations and decision.



AXIOM Artis dTC

Flat panel technology is the latest technology on the market

## Mental Health Facilities get upgraded

### Building 6 at 17 Lambie Drive:

Three mental health community teams will be relocating to a rented 1,453 square metre office fit-out at Building 6 - 17 Lambie Drive. As patients will be seen on site half of the ground floor will consist of interview rooms. As you can imagine, privacy and confidentiality is of the utmost importance in mental health. To ensure privacy and confidentiality the project architect has specified a higher acoustic rating for the interview rooms.

The office will OPEN 18 July 2005



### Building 4 at 17 Lambie Drive:

The Child and Adolescent Mental Health Service (CAMHS) will be moving into a new rented Administrative Centre on the 1st Floor, building 4 - 17 Lambie Drive.

The concept design has been approved. A construction programme is currently being developed.



### Tiaho Mai - Acute Mental Health Unit: Middlemore Hospital

Over the next few months minor alterations will be made to the Kuaka Wing (intensive care unit). This will provide an enhanced comfort level for patients and staff.

Building works include extending rooms along with functional alterations.



### AT & R – Building 31: Middlemore Hospital

The first floor will be refurbished to create more office space. Offices and administration areas will be consolidated.



## Radiology Re-development update

The Interventional suite along with the new X-ray rooms opened last month. This completes stage 5 of the Radiology re-development.

Demolition for Stage 6 commenced early July 2005. This will provide a completely new Ultrasound Department, new waiting, reception area and another Interventional room.

Stage 6 is due to be completed November 2005.

We apologise to services directly affected by the building works and will do everything in our power to minimise any impact.



Demolition photo's – Stage 6

### Is Counties Column telling you what you need to know ?

To find out, we're including a survey in the next issue. All completed questionnaires go into a draw for two tickets to September's Spring Dine and Dance.

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