A beacon of hope and innovation

The new Netcare Christiaan Barnard Memorial Hospital stands as testament to Netcare’s vision to develop a world-class healthcare facility that reflects the hope, innovation and commitment to outstanding patient care that is synonymous with the legacy of the hospital’s namesake.

The Netcare City Park Hospital was renamed the Netcare Christiaan Barnard Memorial Hospital in 2001 following Professor Barnard’s death. At the time, Netcare undertook to create a lasting exhibition of Professor Barnard and his work.

The state-of-the-art, contemporary, optimally-functional, multi-disciplinary Netcare Christiaan Barnard Memorial Hospital is the realisation of this commitment given so many years ago.

Construction of the new hospital building began in June 2013, the commissioning of the hospital commenced in July 2016 and was concluded in November 2016. The new hospital was officially opened on 5 December 2016.

“We had to, at all times, take cognisance that a hospital is a place of healing and care, as well as being an environment that may evoke feelings of vulnerability and anxiety in patients and their loved ones. The broader themes of compassion, care, and the importance of treating people with dignity and respect, are illustrated through graphics, quotations and exhibits throughout the hospital,” explains Dr Richard Friedland, Chief Executive Officer.

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GREEN TECHNOLOGY

> Intelligent façade saves on heating and cooling costs:
  - Monitors internal temperatures.
  - Ventilates façade for cooling and stops ventilation when heating is needed.
  - Low emissivity coating on all windows allows for maximum sunlight to enter the building while reducing the heat produced by the sun’s infrared rays.
  - The heating, ventilation and air conditioning system allows for better filtration to further improve infection prevention and control, while offering greater energy efficiency.
  - Electricity generating elevators use gravity to descend and store energy to power ascent.
  - A heat exchanger harvests both cold and heat from exhaust air, lowering demand on heating, ventilation and air conditioning.
  - The hospital boasts the latest technology in efficient lighting and is designed with maximum window exposure, lowering electricity demand.
  - Reverse osmosis converts wastewater into ‘grey’ water for re-use in toilets and other non-potable needs.
  - An integrated building management system governs all systems to ensure they operate to optimum efficiency.

HOSPITAL CAPACITY

The 16-storey main building, which has a total floor space of approximately 30,000m², includes:

<table>
<thead>
<tr>
<th>HOSPITAL CAPACITY</th>
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<tbody>
<tr>
<td>248 acute beds</td>
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<tr>
<td>(with the option to expand to 375)</td>
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<tr>
<td>25 non-acute beds</td>
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<tr>
<td>11 theatres</td>
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<tr>
<td>(with the option to build three more)</td>
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<tr>
<td>2 cardiac catheterisation laboratories</td>
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<tr>
<td>(with the option to build a third)</td>
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<tr>
<td>Full range of specialist and allied health professional services</td>
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<tr>
<td>Accident and emergency care centre</td>
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<tr>
<td>Radiotherapy and chemotherapy</td>
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<tr>
<td>Netcare 911 base and rooftop helistop</td>
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<tr>
<td>SPECIALISED EQUIPMENT</td>
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> Robotic cardiac procedures
  - Da Vinci robot-assisted surgery
  - HeartWare and Berlin mechanical hearts (ventricular assist devices)

PHASE TWO

Opening in 2017/2018 will include:

- Medcross family medical and dental centre
- National Renal Care dialysis centre
- Sub-acute facility
- Oncology Unit
The new Netcare Christiaan Barnard Memorial Hospital is a living tribute, not only to the late Professor Barnard, but also to the other pioneers of important medical innovations in South Africa, and an acknowledgement of the hope offered by modern medicine to patients the world over. Dr Richard Friedland
Chief Executive Officer

Professor Christiaan Barnard achieved international fame for expanding the boundaries of medicine. In the history of medicine and surgery, the first heart transplant, which has since become a commonplace procedure, will continue to be recognised as one of the seminal pioneering surgical innovations of all time. Professor Barnard was not only committed to furthering medical science, he was also deeply committed to patient care. The principles he stood for were science in service of humanity, and patient care in service of the individual. Barnard grew up in Beaufort West, in the Cape Province and after school went on to study medicine at the University of Cape Town Medical School, where he obtained his MB-ChB in 1945. He achieved numerous academic and medical achievements, and on 3 December 1967, he was the first surgeon to perform a human heart transplant. The first heart transplant took place during the shameful period of apartheid. The exhibition in the hospital explores the impact of apartheid on society and in particular in the practice of medicine. It includes a tribute to Hamilton Naki, an uneducated former gardener and laboratory assistant who worked with Professor Barnard. Naki’s story is the story of many thousands of black South Africans denied the right to study or further their medical and surgical talents in a country still struggling to overcome the legacy of apartheid. The exhibition allows us to contemplate the contribution which the majority of our citizens would have made had things been different.

On display in the hospital is Marco Cianfanelli’s composite portrait of Professor Christiaan Barnard. Conceived as a work that sits between exhibit content and artwork, this composition speaks of the complexity of Professor Christiaan Barnard’s character, expressed through the artifacts of his personal and professional relationships. The installation is composed of a collection of portrait artworks of Barnard, given to him by patients, in a show of gratitude for his work and care. When Marco Cianfanelli began to imagine a means of creating a portrait of this complex subject, he considered that Barnard might best be described by those whose lives were profoundly influenced by his work. The Beaufort West Museum housed this collection of artworks dedicated to Barnard, and the decision was made to include their voices in this tribute. Each portrait depicts Barnard as he was seen through the eyes of a patient, while the fragmented photograph depicts the many facets of his personality.

While commemorating Professor Barnard, the displays in the hospital recognise other notable medical practitioners and healthcare innovations. “The exhibition is also for all the unsung champions of the healthcare profession. Those who dedicate their lives to these principles; serving the health and wellbeing of the individual to make our world a better place,” says Friedland.