Cleaning and Disinfection of Birthing Pool

Purpose

To control environmental contamination and maintain/ensure a hygienic environment for women and their infants.

Scope

This procedure applies to all Lead Maternity Carers, Midwives, Nurses and Healthcare Assistants at Christchurch Women's Hospital and all CDHB Primary Birthing Units.

*Infection Prevention and Control recommends that only non-jet baths and birthing pools are used. Spa baths with water jets may be a potential contamination risk.*

Associated documents

- CDHB IPC Policy - Decontamination of Equipment
- CDHB IPC Policy - Decontamination of the Environment
- CDHB Women Health Service, The use of water in labour and birth (July 2016)

Equipment

- Personal protective equipment (PPE)
- Sieve
- Detergent
- Cleaning cloths
- Sodium hypochlorite disinfectant & dilution containers
- Alcohol-based disinfectant wipes
- Signage – dirty or clean sign to hang over bath as appropriate

The latest version of this document is available on the CDHB intranet/website only. Printed copies may not reflect the most recent updates.
1. Cleaning before each use

If pool has not been used for 24 hours, wash with hot water and detergent and rinse well.

Hot tap should run for several minutes before filling the Birthing Pool.

2. Cleaning & Disinfection after each use

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>The sieve used to remove organic matter is single patient use and must be disposed of as medical waste along with the used pool plug.</td>
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<tr>
<td>2</td>
<td>Plastic apron, eye protection and disposable gloves must be worn.</td>
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<td>3</td>
<td>Rinse the pool of any debris that may have collected on the pool surface, base and around the plughole, with warm running water.</td>
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<td>4</td>
<td>Using a clean cloth, clean the entire pool surface with detergent &amp; water, paying particular attention to the plughole and water line. Discard the cloth.</td>
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<tr>
<td>5</td>
<td>Rinse the pool with water from top to base and dry with a clean cloth. Discard the cloth.</td>
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<tr>
<td>6</td>
<td>Make up a solution of sodium hypochlorite to 1,000 parts per million in a clean, plastic jug dedicated for this purpose. (4 x 0.5g Presept tablets per litre of water)</td>
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<tr>
<td>7</td>
<td>Pour the diluted sodium hypochlorite solution carefully and evenly over the pool surfaces ensuring an even distribution, working from top to bottom and paying particular attention to the plughole.</td>
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<tr>
<td>8</td>
<td>Allow a contact time of 10 minutes for the diluted sodium hypochlorite solution on the pool surface.</td>
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<tr>
<td>9</td>
<td>Rinse the pool with warm water from top to base and dry it with a clean cloth. Discard the cloth.</td>
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<tr>
<td>10</td>
<td>The person responsible for cleaning the pool puts a sign on the bath to indicate that it is clean and ready for use</td>
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<tr>
<td>11</td>
<td>Pool thermometer, aqua doppler, mirror and plug puller (if used) are cleaned with detergent &amp; water, dried then disinfected with dilute sodium hypochlorite solution or an alcohol-based wipe if the equipment is electronic.</td>
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<tr>
<td>12</td>
<td>Use a new plug for each patient using the pool.</td>
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</tbody>
</table>
References


<table>
<thead>
<tr>
<th>Procedure Owner</th>
<th>CDHB Infection Prevention &amp; Control Service</th>
</tr>
</thead>
<tbody>
<tr>
<td>Procedure Authoriser</td>
<td>CDHB Executive Director of Nursing</td>
</tr>
<tr>
<td>Date of Authorisation</td>
<td>20th October 2016</td>
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</tbody>
</table>

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BIRTHING POOLS
Cleaning & Disinfection Instructions

BEFORE USE:
If pool has not been used for 24 hours, wash with hot water and detergent and rinse well.
  o Hot tap should run for several minutes before filling the birthing pool

AFTER USE:
  o Wear plastic apron, eye protection and disposable gloves
  o Empty water after use, dispose of plug and sieve
  o Clean well with detergent & water over the entire surface and taps. Discard cleaning cloths
  o Rinse well
  o Dilute sodium hypochlorite solution (4 X 0.5 gram tablets) Presept per litre of water and pour slowly over inside bath surface & leave for 10 minutes.
    o Rinse off Presept solution.
    o Dry entire inside surface with clean cloth.
    o Wash mirror, pool thermometer, aqua doppler and plug puller if used with detergent & water. Dry then disinfect with dilute sodium hypochlorite solution or an alcohol-based wipe if the equipment is electronic. Leave to dry.
    o Hang ‘clean pool’ sign over bath.
CLEAN POOL

DIRTY POOL – NEEDS CLEANING PLEASE