

# Information and exercises following cervical disc replacement

## Introduction

An artificial disc replacement is designed to replace your own cervical disc and to preserve normal movement at that level as well as relieve your symptoms.

You may be fitted with a collar, which should be worn at all times during the first 4-6 weeks. This information is designed to help you get back to full fitness as quickly as possible after your operation.

Before you leave hospital a physiotherapist will teach you the exercises on this leaflet and make sure that you do not have any problems.

## On discharge

Continue with your exercises as shown, avoiding extreme end of range.

Avoid heavy lifting for 3 months or as advised by your surgeon.

If you have a collar you will be seen after the collar is removed for physiotherapy, if you have no collar you will be seen between 2 to 4 weeks after your surgery.

You will be seen by your surgeon at 6-8 weeks for a review.

Work – return to work is dependent on the nature of your job. If you have a desk job you may feel comfortable to return at 6-8 weeks post op; a heavy manual job your return to work is likely to be after a minimum of 3 months. Always check with your surgeon before returning to work.

Driving – never drive if you have a collar. Once the collar has been removed and you have sufficient range of movement to check the blind spots you may return to driving. If you have had cord compression resulting in weakness of the legs, you must also be able to do any emergency stop before driving.

## Day 1 – discharge

- You may mobilise freely round the ward if safe to do so.
- You may begin the exercise programme gently as shown.
- All the exercises should be repeated 3-5 times per day.
- Once you are mobilising safely and have managed the stairs if you need to do so, you will be discharged home. This can be within 24 hours of your surgery.

## Exercises

### Deep neck flexors

Within the collar, keeping head upright, pull your chin in. Hold the end position and gently nod head downwards 10 times. Relax.



### Nerve mobilisation

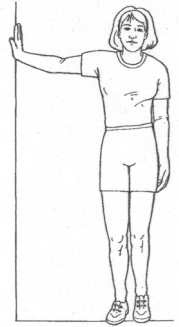
These exercises are designed to keep the nerves in the arm moving and preventing them from becoming trapped in scar tissue.

#### Median nerve mobilisation

Raise your arm to shoulder height.

Start with the elbow bent then gently straighten it with the palm of your hand against a wall. To increase the stretch slightly you can tilt your head to the other side.

Hold for 5 seconds, relax and then repeat 4 more times

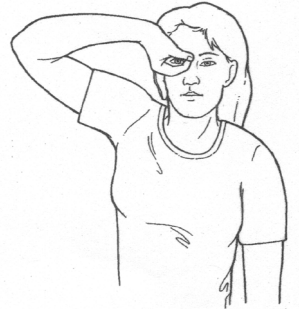


#### Ulna nerve mobilisation

Raise your arm to shoulder height.

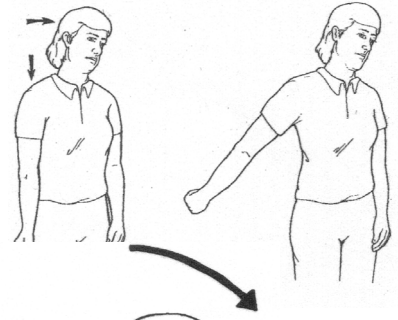
Bend the elbow and rotate the forearm so the palm of your hand rests against the side of your head, with your fingers pointing downwards.

Hold for 5 seconds, relax and then repeat 4 more times.



#### Radial nerve mobilisation

Keeping your arm by your side, twist the arm inwards, bend your wrist and then take the arm backwards, angling slightly away from your side. Hold for 5 seconds, relax and repeat 4 more times.



If you have no soft collar you may also do the following exercises.

### Neck flexion

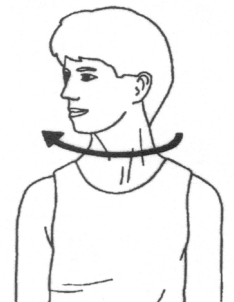
Gently bend neck forward. Do not force to end of range. Relax, return to the upright position. Repeat 10 times.



### Rotation

Gently rotate your head to one side, do not force to end of range. Rotate to the other side and relax. Repeat 10 times.

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Produced by: Orthopaedic Physiotherapy Department, October 2020  
Review due: October 2022