Mediroyal has developed a completely new orthotic concept for patients with drop-hand syndrome.

Manex Radial has been designed to provide adjustable progressive wrist extension of the wrist, fingers and thumb. The orthosis can be used for Radial nerve palsy, neurological disorders, CVA and other conditions that will require a dynamic wrist extension. The orthosis can be molded directly on the patient and be finished in less than 20 minutes. Simply add hot water and follow the instructions.

The orthosis can be adjusted and modified to follow the rehab progress of the patient. The Manex Radial is a much more comfortable and functional orthosis for drop-hand syndrome than any other pre-fabricated orthoses on the market. It can easily be modified and adjusted and is easy to wash. Available in left or right model.

**INDICATIONS**
Radial nerve palsy, neurological disorders causing drop-hand, CVA patients with low tonus and other conditions that requires a dynamic wrist extension.

**MR2085 MANEX RADIAL, LEFT/RIGHT**
- Small: 13-16 cm
- Medium: 16-18 cm
- Large: 18-22 cm

Circumference around the wrist in cm.

APPLICATION INSTRUCTION ➔
**Pre-application actions**

Take the measurement around the wrist to determine the right size. Try the finger part on to see that it is correct width for the hand. In necessary try a smaller or bigger size as reference. The thermoplastic piece can be molded either directly in the pocket (recommended) or externally and then inserted into the pocket.

**Internal molding**

Insert the thermoplastic piece into the pocket. Fold it slightly as this will open the pocket and the making pouring the water easier. Use hot water 75-80 degrees C. Pour it into the pocket over a sink or pan as it will leak slightly. Fill the pocket completely and then wait for about a minute. Check if the material is completely soft, if not refill the pocket for another minute. Pour out the water, place the brace flat on a dry towel and fold to absorb all the moisture. Then apply directly on the dorsal side of the patient. Secure the straps onto the surface but don’t over tighten. Make sure that you get a good molding and space over the caput ulna head. The setting process takes about 4-5 minutes. After about 2 minutes, it’s possible to remove the splint when the material has started to stabilize. The final setting and cooling can then be done externally but be careful to support the shape.

**External molding**

For external molding, place the thermoplastic in hot water 75-80 degrees C, when soft remove it and place it quickly on a towel, then onto the patient. Make sure to get a good shape around the caput ulna head. When the material is firm, insert it into the pocket.

**Fitting**

When the platform is firm, apply it again on the patient. Then fit the finger part by applying the loops to the Dig III and IV. Adjust the straps around Dig II and V. Lift the palm of the patient, stretch the finger part and then attach the hook to the platform. Make sure to not over-extend the MCP joints. Then apply the thumb by closing the thumb grip on the neoprene part, apply it over the thumb and then attach it onto the platform. If used as a night splint, remove the finger part and replace it with the blue foam strap. Attach the hook part onto the platform, then run the strap around the MCP:s to fixate the hand. The foam strap can also be used if additional support to the MCP is needed when the finger part is in use. Apply the strap the same way then.

**Caring instructions**

The orthosis should be washed at least once a week. It can be machine washed at 30 degrees C, all hook straps needs to be closed before. Use liquid detergent and a laundry back to protect the hook and loop straps. Let air dry.