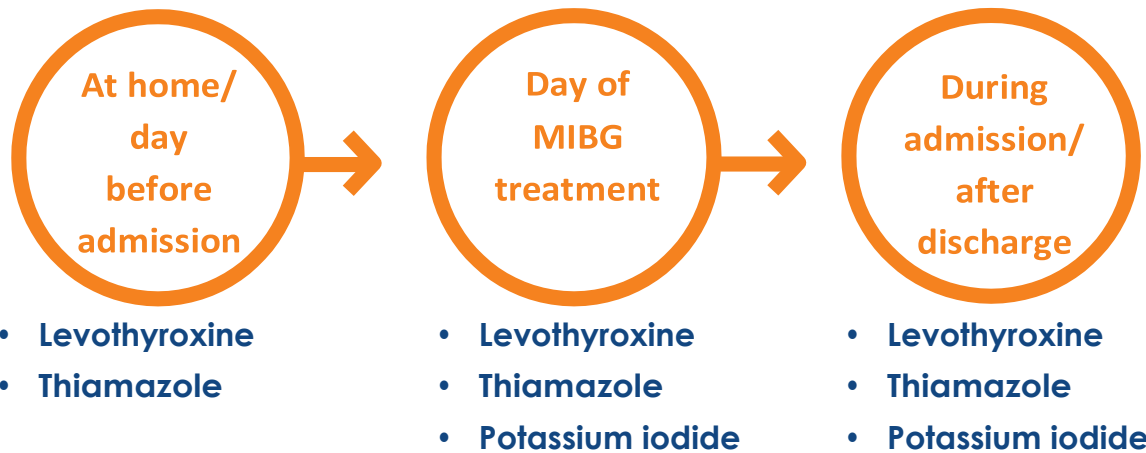




## Thyroid protection in case of $^{131}\text{I}$ -MIBG treatment

Your child will receive  $^{131}\text{I}$ -MIBG treatment and must then take three medications in advance to protect the thyroid gland: levothyroxine, thiamazole, and potassium iodide.



What does it look like and how is it given?	When does your child take the medications?	Short-term adverse reactions (within 24 hours)
<p><b>Levothyroxine</b> (other names: Thyrox®, Euthyrox®) is a tablet taken orally, in the morning on an empty stomach. If you wish, you can dissolve the tablet in a glass with 10-15 ml of water or in a syringe (takes a little longer) and then administer it through the tube. It is advised not to overcrush the tablet, as the powder will stick.</p> <ul style="list-style-type: none"><li>• If your child receives continuous tube feeding, stop the tube feeding two hours before administering levothyroxine.</li><li>• If your child is only tube-fed at night administer the levothyroxine 6 hours after the tube feeding has stopped.</li></ul>	<p>1x daily for four weeks, starting on the day before administering the MIBG. The physician or nurse practitioner will tell you exactly when you can stop.</p>	<ul style="list-style-type: none"><li>• Palpitations</li><li>• Headache</li><li>• Muscle weakness and cramps (if dose is too high)</li></ul>

What does it look like and how is it given?	When does your child take the medications?	Short-term adverse reactions (within 24 hours)
<p><b>Thiamazole</b> (other name: Strumazol®) is a tablet that is taken orally. You may soak the tablet crush it or dissolve it in water and give it via a gavage. The bitter taste can be masked if necessary with lemonade or applesauce.</p>	<p>2x a day for four weeks, starting on the day before administering the MIBG. The doctor or the nurse practitioner will instruct you on when exactly to stop.</p>	<ul style="list-style-type: none"> <li>• Muscle pain</li> <li>• Joint pain</li> <li>• Skin rash</li> <li>• Low white blood cells (in case of hyper sensitivity)</li> </ul>
<p><b>Potassium Iodide</b> is a beverage that can ingested by mouth or given through the gavage.</p>	<p>1x a day for two weeks, starting on the day of, and preferably half an hour before administering the MIBG. The doctor or the nurse practitioner will instruct you on when exactly to stop.</p>	<ul style="list-style-type: none"> <li>• Itching</li> <li>• Redness</li> <li>• Swelling</li> <li>• Skin rash</li> <li>• Shortness of breath</li> <li>• Sometimes irritation and inflammation of the eyes, nose and oral cavity (in case of prolonged use)</li> </ul>

## Particulars

Blood is taken regularly to check the function of the thyroid gland.

## Special instructions

- If, due to circumstances, you do not succeed in having your child take the medication in advance , please notify us when you come for the MIBG.
- If you have a fever or sore throat, please contact your doctor or nurse practitioner.

complete list, please ask the doctor, nurse or pharmacist.