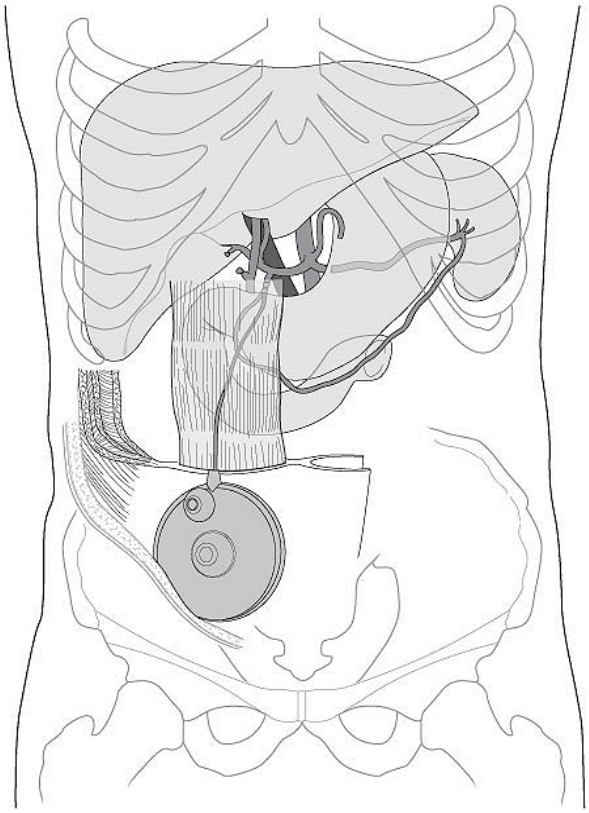
Hepatic Arterial Infusion Pumps

Types of Pumps

- **Intera 3000 Pump (formerly Codman)**

  This pump is used to give chemotherapy medicine directly into your liver. The pump is put under your skin during surgery (implanted). A tube from the pump goes into a blood vessel (hepatic artery) in your liver. This lets the medicine drip slowly, but constantly into your liver to treat your cancer.



  The pump is smaller than a hockey puck. You will be able to feel the pump through the skin on your belly. Once your pump is placed, it can begin working right away.

  To use the pump, a needle is put through your skin into an opening in the pump.

  The pump can hold 30 mL (about 2 tablespoons) of chemotherapy medicine. This will last 2 weeks.

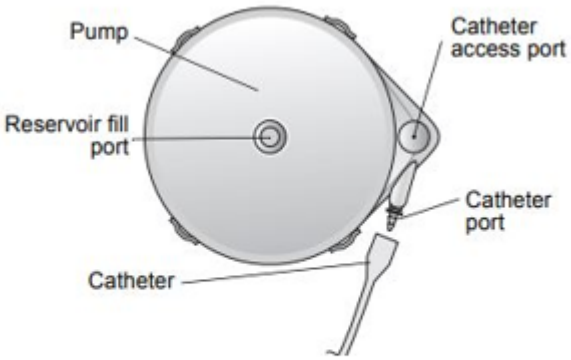
This handout is for informational purposes only. Talk with your doctor or health care team if you have any questions about your care.

© July 25, 2025. The Ohio State University Comprehensive Cancer Center – Arthur G. James Cancer Hospital and Richard J. Solove Research Institute.

- **Medtronic Infusion Pump**

  During surgery, your doctor will program your pump with heparin and saline. You will have a follow-up appointment scheduled with the infusion team after your surgery. At this appointment, your pump will be refilled and programmed for your chemotherapy treatment.

  You will receive an identification card about your pump. It is important to carry this card with you at all times.



© 2020 Medtronic. All rights reserved. Used with the permission of Medtronic.

What care will my pump need?

Your pump will need to be filled about every 2 weeks to make sure there is always medicine in your pump. Each time your pump is filled, all of the old medicine is removed and new medicine is put in. The flow rate of your pump will be checked to make sure you get the right amount of medicine into your liver. The pump flow rate can change depending on pressure and temperature. Your doctor will tell you if you need to stop doing some activities that cause a change in the flow rate of your pump.

Are there any activities that I should not do after my pump is in place?

After you recover from your surgery, you will be able to do most of the activities you did before your pump was put in.

Activities that you **should not** do include:

- Rough or contact sports that could hurt your pump.
- Deep sea or scuba diving – these cause increased pressure that could change the flow rate of your pump. You can swim or snorkel.
- Using a heating pad or warm water bottle on your pump area – the heat can increase the flow rate of your pump.
- Spending time in a sauna or hot tub – the heat can increase the flow rate of your pump.
- It is important to tell your doctor if you have plans to travel.

Call your doctor if you have a fever of 100.4 degrees Fahrenheit (38 degrees Celsius) or above.

What happens if I miss an appointment?

It is very important to keep your appointments to make sure your pump is working correctly. **If you are unable to keep your appointment, call your doctor's office right away.**

Can I have an MRI?

Yes, you can have an MRI with your pump in place. It is important to tell the MRI technologist that you have an implanted pump. Be sure to bring your Patient Identification Card with the make and model of your pump.

Can my pump be used for anything else?

Your pump has a very special, specific use and is **only used for chemotherapy medicine.**

- **Do not** draw blood or fluid from your pump.
- **Do not** put medicine, other than chemotherapy in your pump.

Can I travel with my pump?

Let your doctor know if you have plans to travel by airplane or the location you will be visiting. The pressure or altitude can change the flow rate of your pump. Your doctor may need to change your schedule to refill your pump to make sure you have plenty of medicine in your pump when you travel or do anything that could change the flow rate.

Will my pump set off airport security systems?

It is important to always have your Patient Identification Card on you. It is unlikely that the metal would be detected, but the information on your card will help security know what your pump is used for. Your card can also help others to care for you in a medical emergency.