

**Device Name: Easyrup****1) Background:**

Many will encounter difficulties in taking liquid medicine. Therefore, **Easyrup** is designed for accuracy and convenience in taking medicine.

**2) Aims and functions:**

**Easyrup** benefits wide spectrum of users. Equal amount of 5 ml liquid medicine can be pumped out each time and can then be drunk directly or pumped into the container. Those with Parkinson's Disease, hemiplegic stroke, poor hand control and low vision can be particularly benefited. We aim at solving the inconvenience of getting the accurate amount of liquid drug.

**3) Materials and fabrication:**

Syringe, plastic bottle and tubes are used.

We make a hole on the syringe and add the opening to let exact 5 ml liquid medicine to flow out. A chopstick and a plastic cap are used to make the handle for the one-hand technique.

**4) Steps:**

1. Plug in the **Easyrup**.
2. For the first usage, push and pull the handle to the limited level twice with opening opened.
3. Close the opening.\*
4. Push the handle to the limited level.
5. Press the opening.
6. Place mouth/ container near the opening.
7. Pull the the handle to the limited level.

\* After the first usage, start directly from 4.

**5) Maintenance:**

**Easyrup** can be cleaned by pumping water out.

**6) Conclusion:**

**Easyrup** is accurate, convenient, reusable, cheap, easily fabricated and manipulated. Further investigation can work on minimizing its size. It can be fabricated in the future by moulding or 3D printing. We hope to set at around HKD\$20 (~USD\$2.5).