



## HIRUDOTHERAPY PROTOCOL: HEMORRHOIDAL AND PORTAL DECONGESTION (Patient with Acute Pain and Hypertension)

### 1. STRATEGIC DISTRIBUTION (6 UNITS)

- **Perianal Area (4 Leeches):** Direct application on external hemorrhoidal bundles for immediate decompression, analgesia, and dissolution of micro-thrombi.
- **Liver/Navel Area (2 Leeches):** Decongestion of the portal system. This reduces venous pressure at the source, facilitating blood return and stabilizing systemic blood pressure.

### 2. SCIENTIFIC FOUNDATION

- **Enzymatic Action:** **Hirudin** and **Calin** eliminate blood stagnation and improve microcirculation.
- **Anti-inflammatory Effect:** **Eglins** and other enzymes drastically reduce edema and extreme pain almost immediately.
- **Controlled Hypotension:** The treatment regulates peripheral resistance, benefiting the hypertensive patient by naturally lowering blood pressure.

### 3. PROCEDURE AND SAFETY

- **Monitoring:** Pre-session blood pressure check is mandatory. Patient in Sims or prone position to prevent vasovagal syncope.
- **Application:** Start with the liver/umbilical area to prep the system, then proceed to the anal area.
- **Detachment:** Must be natural and spontaneous (approx. 45–60 min).

### 4. POST-SESSION CARE

- **Therapeutic Drainage:** Expected oozing for 6 to 12 hours (essential for tissue cleansing).
- **Hydration:** Mandatory intake of 2 liters of water to restore fluids.
- **Rest:** 24 hours of absolute rest. No heavy lifting or straining to prevent reactivation of local pressure.