

Inductive method can be used where use of capacitor method is inconvenient.

When the electrostatic field set up is given between the ends of the cable, deep heating of the tissues occurs. The superficial tissues are heated due to the eddy currents produced as a result of the magnetic field around the cable.

Advantages :

- i) Tissue heating rate is increased
- ii) Penetration depth of RF waves can be easily adjusted.
- iii) There is no danger of burns or irritation and the patient has no discomfort.

Microwave Diathermy :

The frequency used in this method is about 2500 MHz with a corresponding wavelength of 12.25 cm .

Microwaves heat the tissues, which is more advantageous than short wave method. Magnetron produces microwaves and are transmitted into the body, heat directly from the direction of unit. After 3 to 4 minutes of magnetron heating, the light in it indicates that it is ready for output.