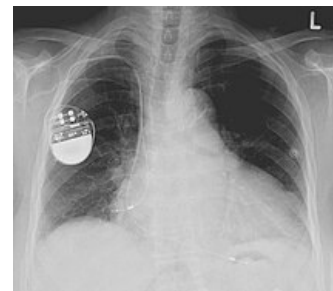


Cardiostimulation

Cardiostimulation can maintain the heart rhythm in physiological values in those cases where there is a violation of cardiac automaticity or transmission disorders.

- External stimulation via flat electrodes glued to the skin. It is used in pre-hospital care, in the hospital only for short-term procedures
- Internal stimulation via wire leads is inserted intravenously into the heart, using an implanted pacemaker under the skin of the chest. Today, only pacemakers are used, which turn on themselves when the heart rate slows down below the set value and turn off again when a faster heart rate is restored (pacemaker on demand).

For patients who have an implanted pacemaker, we must be careful, for example, when using electrocautery, pulse magnetotherapy is contraindicated.



Implanted (internal) pacemaker on X-ray image

Links

External links

- Cardiostimulation - interactive algorithm and test (<https://www.akutne.cz/algorithm/cs/292--/>)
- Dočasná stimulace v přednemocniční péči (<http://parakocour.blogspot.com/2017/02/docasna-stimulace-v-pred-nemocnicni-peci.html>) L.Gronych 2017
- Využití neinvazivní kardiostimulace v přednemocniční péči (<https://zdravi.euro.cz/clanek/sestra/vyuziti-neinvazivni-kardiostimulace-v-prednemocnicni-peci-278890/check-status/>)- práce sestry, V. Šmeráková 2006
- Využití neinvazivní kardiostimulace v přednemocniční péči, Kučera 2006 (<https://zdravi.euro.cz/clanek/sestra/vyuziti-neinvazivni-kardiostimulace-v-prednemocnicni-peci-278890>) ===

Source

- KYMPLOVÁ, Jaroslava. *Katalog metod v biofyzice* [online]. [cit. 2012-09-20]. <<https://portal.lf1.cuni.cz/clanek-793-katalog-metod-v-biofyzice>>.