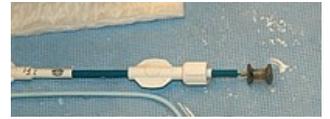


# Amplatzer's occluder

This article has been translated from WikiSkripta; the **formatting** needs to be checked.

**The Amplatzer occluder** is used to treat cardiac septal defects. Occluder is a double metal "basket" shaped coil, the most minimally invasive introduced under fluoroscopic control using a special catheter that when **atrial septal defect** or patent foramen ovale closes interatrial septum and thus solves the resulting left to right **shunt**.

**The occluder** is catheterized through the right atrium through the defect into the left atrium, where its distal area develops, which is then pressed against the septum from the left. Similarly, a second area develops in the right atrium, resulting in an occluder **encircling the atrial septum on both sides** and filling the defect. "Amplatzer" is made of an alloy of nickel and titanium, it is not paramagnetic (it does not mind MRI examination). As a result, it looks like two disks connected by a narrow neck, the left slightly larger. The flowing blood coagulates in it after a while and fills the space, over time the epithelium grows through the occluder, the defect is completely healed.



**Other types of** Amplatzer occluders are used, for example, to deal with congenital and acquired **defects of the ventricular septum, arteriovenous fistulas, ductus arteriosus** and other defects. The use of the Amplatzer occluder is a safe and effective solution that replaces cardiac surgery in large quantities.

Amplatzer's occluder - boot scheme

## Links

### Related articles

- Atrial septal defect
- Foramen ovale patens
- Ventricular septal defect

### Resources

- Catheter closure of the foramen ovale patens and atrial septal defect of the secundum type by the Amplatzer occluder (<https://zdravi.euro.cz/clanek/postgradualni-medicina/katetrizacni-uzaver-foramen-ovale-patens-a-defektu-septa-sini-ty-167151>)