

Transuterine ultrasound-guided fetal embolization

Transuterine ultrasound-guided fetal embolization is a minimally invasive procedure used to treat certain fetal conditions, such as vein of Galen malformation. This procedure involves passing a needle through the mother's abdomen and uterus, guided by ultrasound, and into the fetus's blood vessels. Embolic agents, such as glue or coils, are then injected into the affected blood vessels to block blood flow to abnormal or enlarged vessels, preventing further damage and reducing the risk of complications after birth. The use of ultrasound guidance allows for more precise placement of the embolic agents, reducing the risk of damage to surrounding tissues. This technique may be used in certain cases to improve fetal outcomes and reduce the need for more invasive procedures after birth.

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