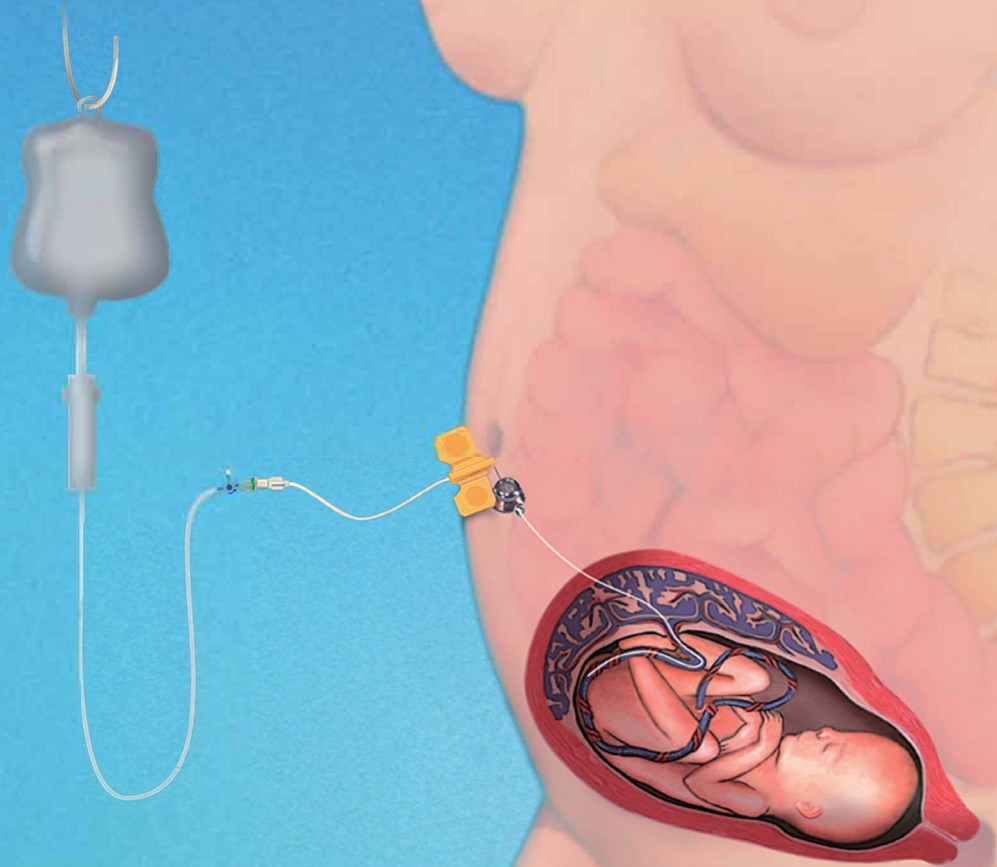


Thanks to this
FETAL PORT **Ⓡ** –
my baby continues
to grow!



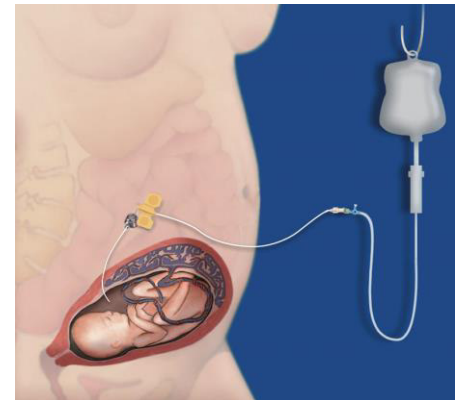
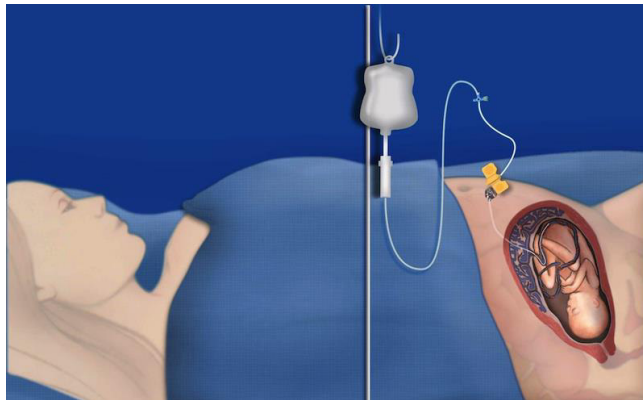
PRENATAL PORT-SYSTEM

TITANPORT **Ⓡ**

PakuMed[®]
medical products gmbh

TITAN-PORT (F FETAL PORT) Prenatal Portsystem

article no: 111243 F



**FETAL NUTRITION
 PORT-SYSTEM**

**AFR-PORT
 (Amniotic Fluid Replacement
 PORT-SYSTEM)**

Indication

intrauterine growth restriction caused by placental insufficiency (**IUGR**)

(**PPROM**) (preterm premature rupture of membranes) with Anhydramniom

Contraindication

posterior located placenta

cervical insufficiency, infection, contractions

Purpose

improvement of fetal growth
 prolongation of pregnancy

prolongation of pregnancy and
 reduction of perinatal morbidity and mortality

Usage

long term administration of nutriments into the umbilical vein such as aminoacids and glucosis via the port system

longterm amnioinfusion through a subcutaneously implanted portsystem

Period

during 24-32nd week of gestation with IUGR (Intrauterine Growth Restriction) estimated fetal weight <10th percentile, pathological Doppler ultrasound control findings

between 22-30nd week of gestation with PPROM until delivery to replace the loss of fluids

Placement

port implantation can be performed only in pregnant women with anterior or anterior-lateral located placenta

ultrasound guided placement of catheter in the amniotic cavity

Duration

daily, volume of the intraumbilical infusion limited to 10% of the estimated fetoplacental blood volume per day

continuous infusion of 50-120 ml/h Amnion Flush Solution via portsystem

Further information at **PakuMed medical products gmbh** or directly Univ.-Prof. Dr. med. M. Tchirikov, Universitätsklinikum Halle (Saale), Universitätsklinik und Poliklinik für Geburtshilfe und Reproduktionsmedizin, Ernst-Grube-Str. 40, 06120 Halle (Saale); Tel.: 0049 345 557-3250, Fax: 0049 345 557-2448, @: michael.tchirikov@uk-halle.de