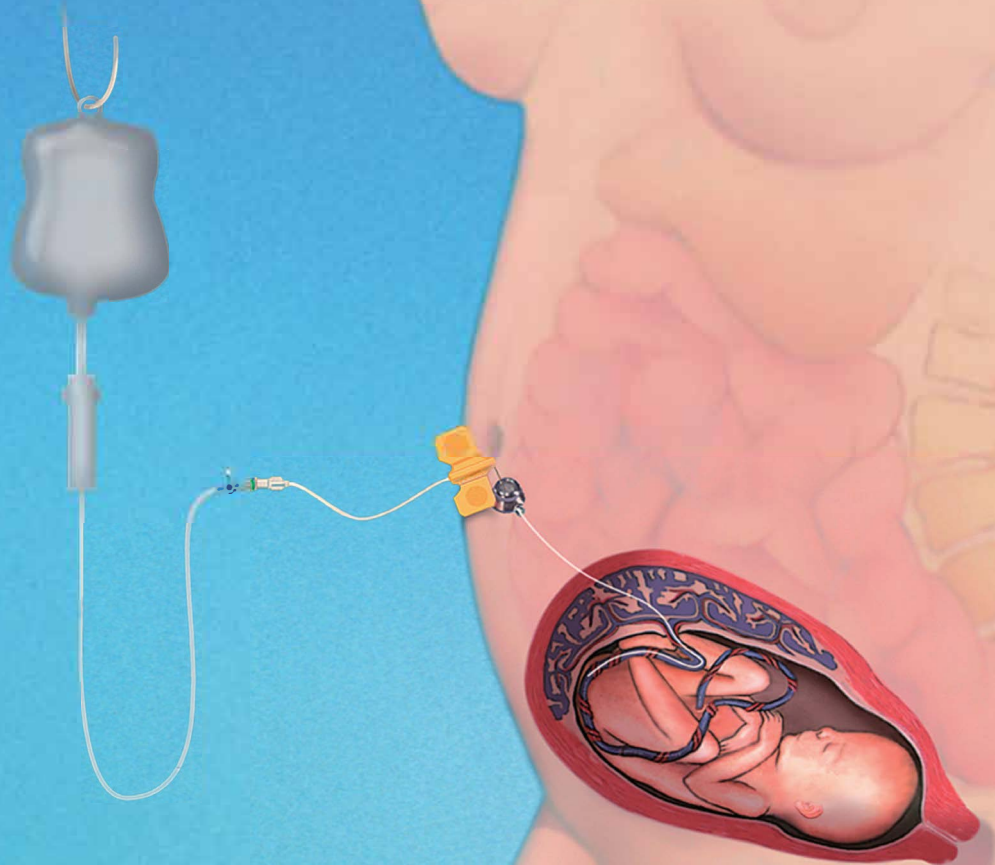


Thanks to this
FETAL PORT (F) –
my baby continues
to grow!



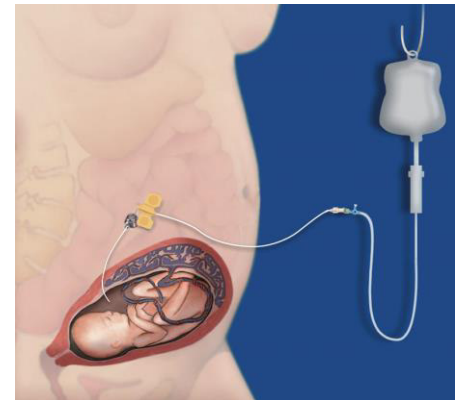
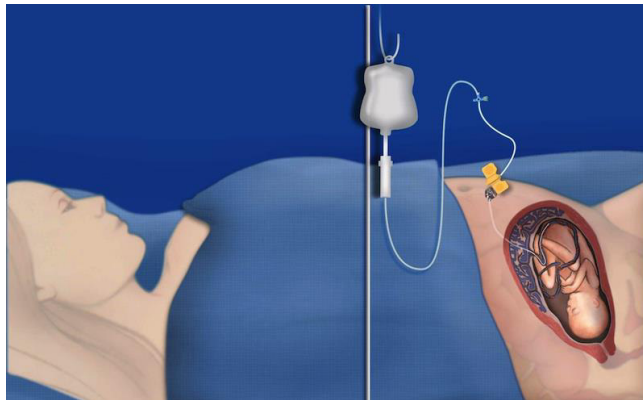
PRENATAL PORT-SYSTEM

TITANPORT (F)

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

contiunous 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