

| Authors [ref] | Year | CS by transverse uterine fundal incision | MRI findings after CS by transverse uterine fundal incision | Subsequent pregnancy after previous CS by transverse uterine fundal incision | | | | |
|---------------------|------|---|---|--|---|------------------------------|--|--|
| | | Information of CS and pregnancy outcome | | Age of pregnancy | Pregnancy course before uterine rupture | Diagnosis of uterine rupture | | Pregnancy outcome |
| | | | | | | Gestational weeks | Symptoms | |
| Nishida et al. [5] | 2014 | A 29-year-old primigravida CS due to placenta previa at 24 weeks of gestation 〔Pregnancy outcome〕 Mother: blood transfusion, discharge without sequelae Fetus: live birth weighting 406 g, neonatal death due to chronic lung disease at postnatal days 93 | CS scar thinness or defect at the uterine fundus: at 12 months postpartum | 31 | Hospitalization from 18 weeks of gestation until delivery, ultrasonography twice a week and a total of 4 MRI studies for evaluation of uterine muscle layer | 30 | No symptoms (interruption of muscle layer in a part of uterine funds which had been pointed out by MRI study) | Mother: CS and surgical repair of the ruptured site (previous transverse uterine fundal incision scar [†]) Fetus: live birth weighting 1,832 g, discharge with normal findings at postnatal days 68 |
| Fujiwara et al. [6] | 2017 | Maternal age and parity: data not available CS due to placenta previa accreta and large myoma 〔Pregnancy outcome〕 Mother: data not available Fetus: data not available | Data not available | 32 | Transfer to a tertiary referral hospital due to severe abdominal pain and low back pain | 21 | Severe abdominal pain and low back pain | Mother: cesarean hysterectomy (ruptured site: previous transverse uterine fundal incision scar) Fetus: still birth (evacuation into the abdominal cavity through the ruptured cite) |
| Present case | 2022 | A 33-year-old primigravida CS due to placenta previa at 37 weeks of gestation 〔Pregnancy outcome〕 Mother: blood transfusion, discharge without sequelae Fetus: healthy neonate weighting 2,442 g, discharge with mother at postnatal days 6 | CS scar defect at the uterine fundus: at 12 months postpartum | 38 | PNC and ultrasonography for evaluation of uterine muscle layer every 2 week, refusal for hospitalization and MRI study | 33 | Sudden severe abdominal pain | Mother: CPR, PMCD and surgical repair of the ruptured site (previous transverse uterine fundal incision scar), blood transfusion, IVR and intensive care, discharge with impairment of consciousness on the 119th postoperative day Fetus: still birth (evacuation into the abdominal cavity through the ruptured cite) |