

Table 1 Analysis of eleven cases of umbilical cord vascular rupture(pregnancy complications)

Patient	Age	Prepregnancy body mass index (kg/m²)	Mode of conception	Diagnosis of gestational weeks (week)	Rupture vascular	Pregnancy complications
1	25	16.44	Assisted reproductive technology conception	37	Artery	Placental abruption, gestational diabetes mellitus, assisted reproductive technology conception, racket placenta, acute choriitis, neonatal hyperbilirubinemia,
2	26	24.09	Natural conception	31	Vein	Fetal distress, gestational diabetes mellitus, Cord velamentous insertion,

uterine fibroids,
subclinical hypothyroidism ,
anemia
Fetal distress,
premature rupture of membranes,
nuchal cord,
acute meningitis
acute choriitis,
severe neonatal asphyxia,

3 30 19.27 Natural conception 38 Vein

Fetal distress,
racket placenta,
nuchal cord,
anemia,

4 25 16.12 Natural conception 38 Vein

						severe neonatal asphyxia,
						small for gestational age,
5	33	20.28	Natural conception	39	Vein	Cord velamentous insertion,
						fetal distress,
						premature rupture of membranes,
						gestational diabetes mellitus,
6	28	20.50	Natural conception	39	Artery and	Stillbirth
					vein	placental abruption,
						nuchal cord,
7	38	21.36	Natural conception	39	Artery and	Placental abruption,
					vein	premature rupture of membranes,
						intrauterine infection
						uterine fibroids,

8	24	16.23	Natural conception	39	Artery	Stillbirth premature rupture of membranes, nuchal cord, anemia,
9	28	23.44	Natural conception	38	Vein	Cord velamentous insertion, placental abruption, fetal distress, premature rupture of membranes, nuchal cord, severe neonatal asphyxia, neonatal death
10	32	19.60	Natural conception	39	Vein	Fetal distress, nuchal cord,

						anemia,
						uterine fibroids,
						severe neonatal asphyxia,
11	23	18.36	Natural conception	36	Artery and	Stillbirth
					vein	cord velamentous insertion,
						anemia,
						precipitate labor
