**Objective:** Umbilical venous thrombosis is related to neuropathy of newborn, but its clinical manifestations are usually insidious. This study aims to summarize the clinical features of umbilical venous thrombosis.

**Methods:** Cases with umbilical venous thrombosis diagnosis during Jan, 2018 to Feb, 2018 were reviewed for history, fetal heart monitor pattern during labor, ultrasound report, and laboratory reports.

**Results:** A total of three cases with umbilical venous thrombosis were recruited for the study. The indications of admission were unsatisfied fetal monitor pattern.

**Conclusion:** Cases with persistent abnormal fetal heart monitoring may be a reliable sign for umbilical venous thrombosis and should be handled with great care. Umbilical venous thrombosis is related to clinical and subclinical chorioamnionitis.