Introduction
Twin reversed arterial perfusion (TRAP) occurs in up to 2.6% of monochorionic twin pregnancies and the only causal treatment is interruption of blood flow to the acardiac twin. Optimal timing of therapy has yet to be established.

Methods
Retrospective cohort study that includes all consecutive cases of TRAP in monochorionic diamniotic twins that underwent interstitial laser ≤ 14+3 weeks.

Results
No procedure related complications during or within 48 h after the procedure. One (8.3%) case was followed by intrauterine death of the pump twin two weeks after the intervention. All other cases (91.7%) resulted in live births at a median gestational age of 39+6 (IQR, 37+1–41+2) weeks and a median birth weight of 3370 (IQR, 2980–3480)g.

Conclusion
Our results support first-trimester interstitial laser therapy resulting in 92% live births. The results of a randomized controlled trial (ClinicalTrials.gov: NCT02621645) are yet to be awaited.