Introduction
Prenatal ultrasound staging systems in twin-twin transfusion syndrome (TTTS) have been created to provide a standardized means of describing severity.

Objective
To compare the perinatal outcome according to disease severity in monochorionic twins with TTTS who were treated with fetoscopic laser surgery.

Methods
In a prospective single-center study fetoscopic laser surgery was performed in 1020 consecutive cases with severe TTTS. During the study period (January 1995 to March 2013) the participants were included at a mean gestational age of 20.9 weeks. Perinatal survival data analysis was undertaken (double fetal survival, at least one survivor) according to Quintero staging system.

Results
For both outcome categories the survival rates decreased significantly with TTTS severity.

In terms of perinatal survival rates stage I vs II and stage III vs IV, respectively, were not significantly different. Therefore, we combined stages I and II as well as III and IV. At least one twin survived in 90.3% for stages I+II vs 82.5% for III+IV (p=0.001). The double survival rate was 70.6% for stages I+II vs 54.9% for III+IV (p<0.001), respectively.

Conclusion
Perinatal outcome was significantly related to stages of severe TTTS. The differentiation between stages I and II and stages III and IV, respectively, does not have any significant prognostic implication.