

EP 10.25

Fetoscopic laser surgery does not affect the amount of blood loss at delivery in monochorionic diamniotic twin pregnancies

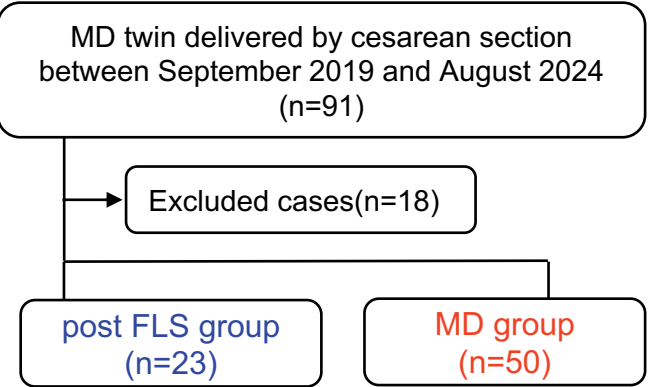
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Introduction

This study aimed to examine the impact of fetoscopic laser surgery (FLS) for twin-to-twin transfusion syndrome (TTTS) on blood loss at delivery in monochorionic diamniotic (MD) twin pregnancies.

Methods

A retrospective analysis was conducted on 73 MD twin pregnancies delivered by cesarean section at our institution between September 2019 and August 2024.



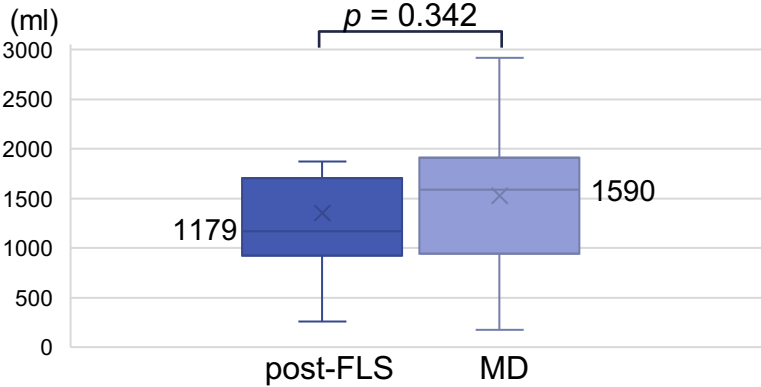
Results

	post-FLS (n=23)	MD (n=50)	p
Gestational age at delivery (weeks)	34.6(28.3-38.1)	35.7 (25.7-38.3)	0.419
Total birth weight (g)	3,957(1,990-5,614)	4,348 (1,494-6,594)	0.089
Discordant rate(%)	11.0(0.20-46.8)	11.3 (0.15-49.8)	0.593
Placental abruption	3 cases (13%)	0 case (0%)	0.028
Estimated blood loss (ml)	1,179 (260-3,234)	1,590 (174-4,900)	0.342
Blood transfusion	2 cases (8.7%)	3 cases (6.0%)	0.510

Conclusion

The amount of blood loss at delivery and blood transfusion rates in MD twin pregnancies following FLS were comparable to those in MD twin pregnancies without FLS. These findings may be useful for informing medical staffs and patients about hemorrhage and blood transfusion risks in delivery management following FLS.

Estimated blood loss at delivery(EBL)



Supplemental Analysis:
Laser Energy vs. EBL in Post-FLS Group

