

# Obstetric outcome among obese and morbidly obese women who loses weight during pregnancy

Marie Blomberg MD, PhD

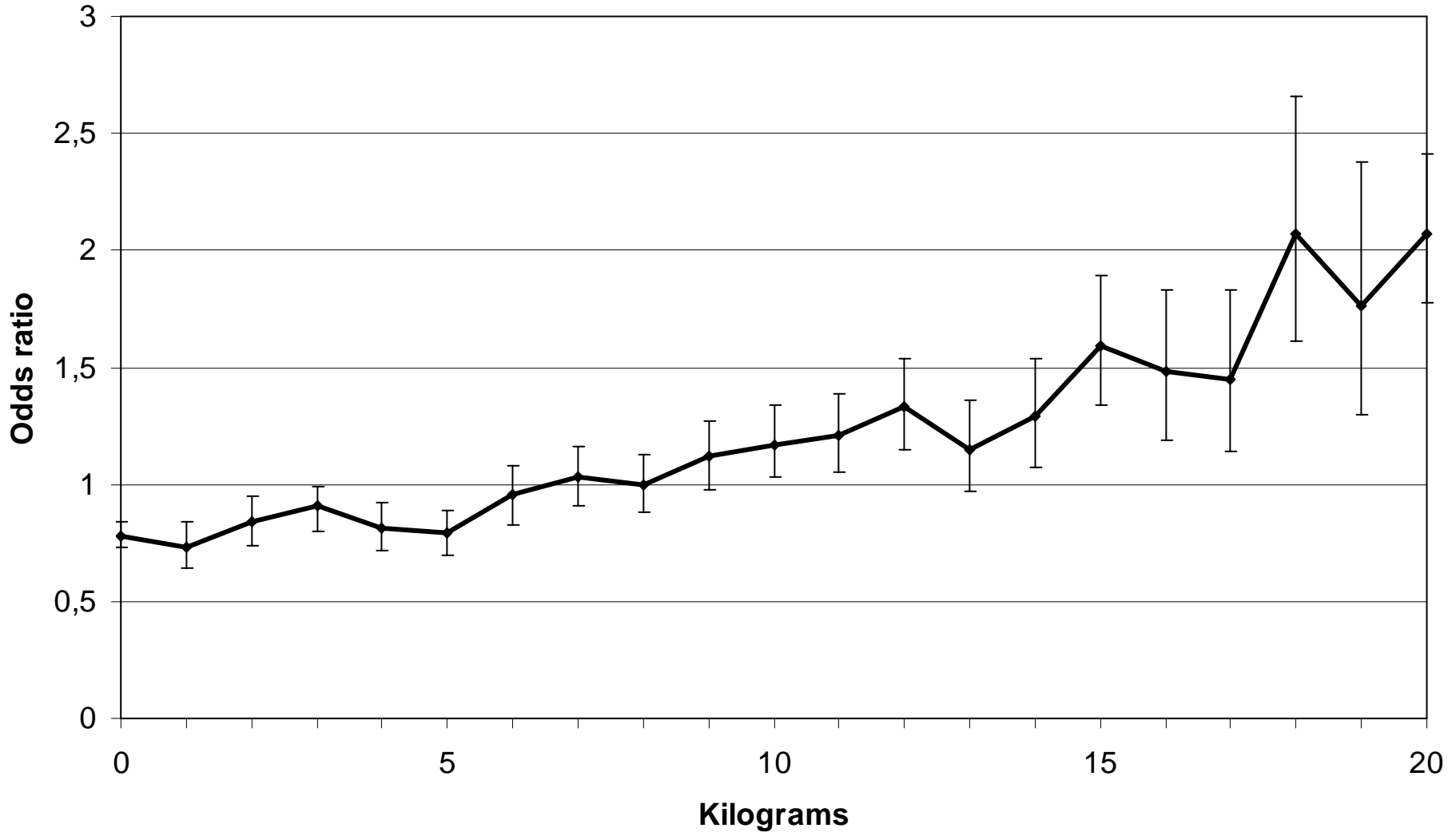
Division of Obstetrics and Gynecology, Department of Molecular and Clinical Medicine, Faculty of Health Sciences, Linköping University, Sweden

# Effects of gestational weight gain on obstetric outcome

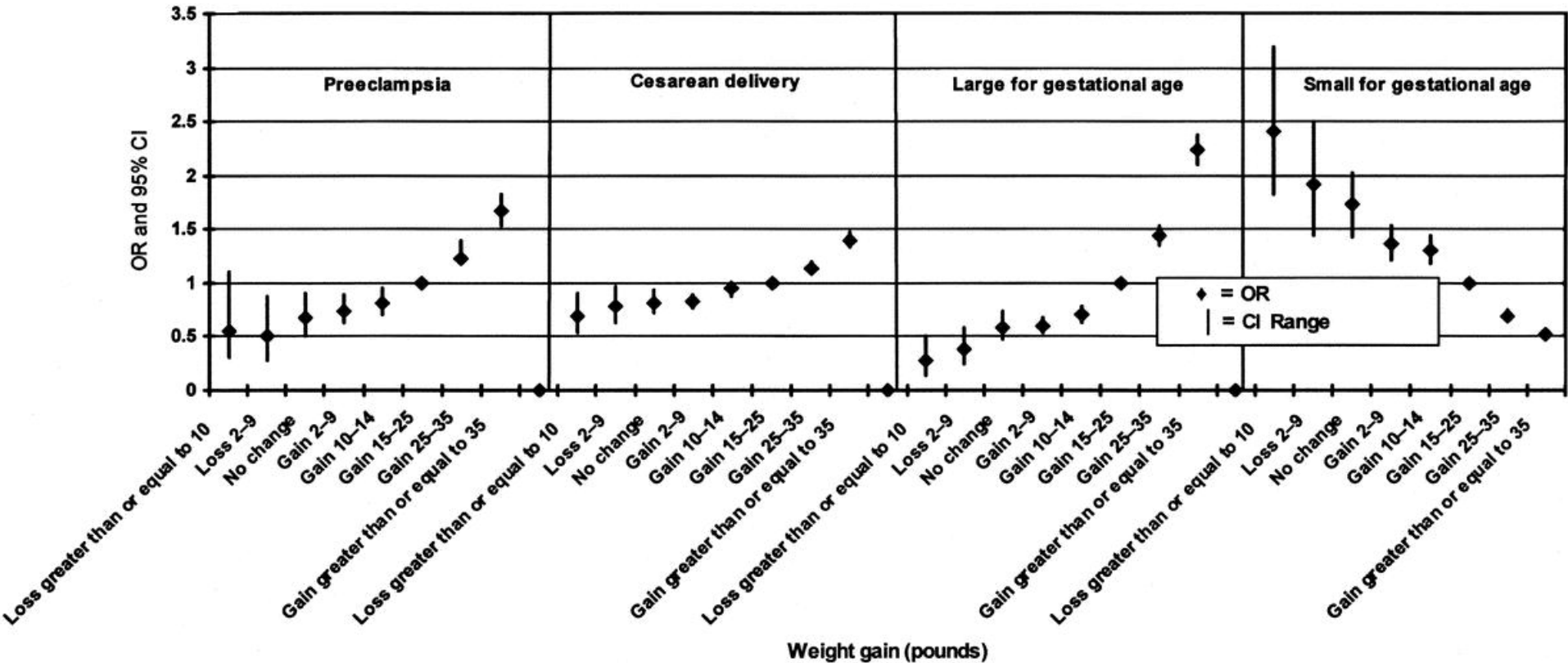
Obese women with low (<8kg) gestational weight gain had a decreased risk of: OR (95%CI)

- Preeclampsia 0.52 (0.42-0.62)
- Cesarean section 0.81 (0.73-0.90)
- Instrumental delivery 0.75 (0.63-0.88)
- LGA births 0.66 (0.59-0.75)

# Risk for adverse outcome among obese women



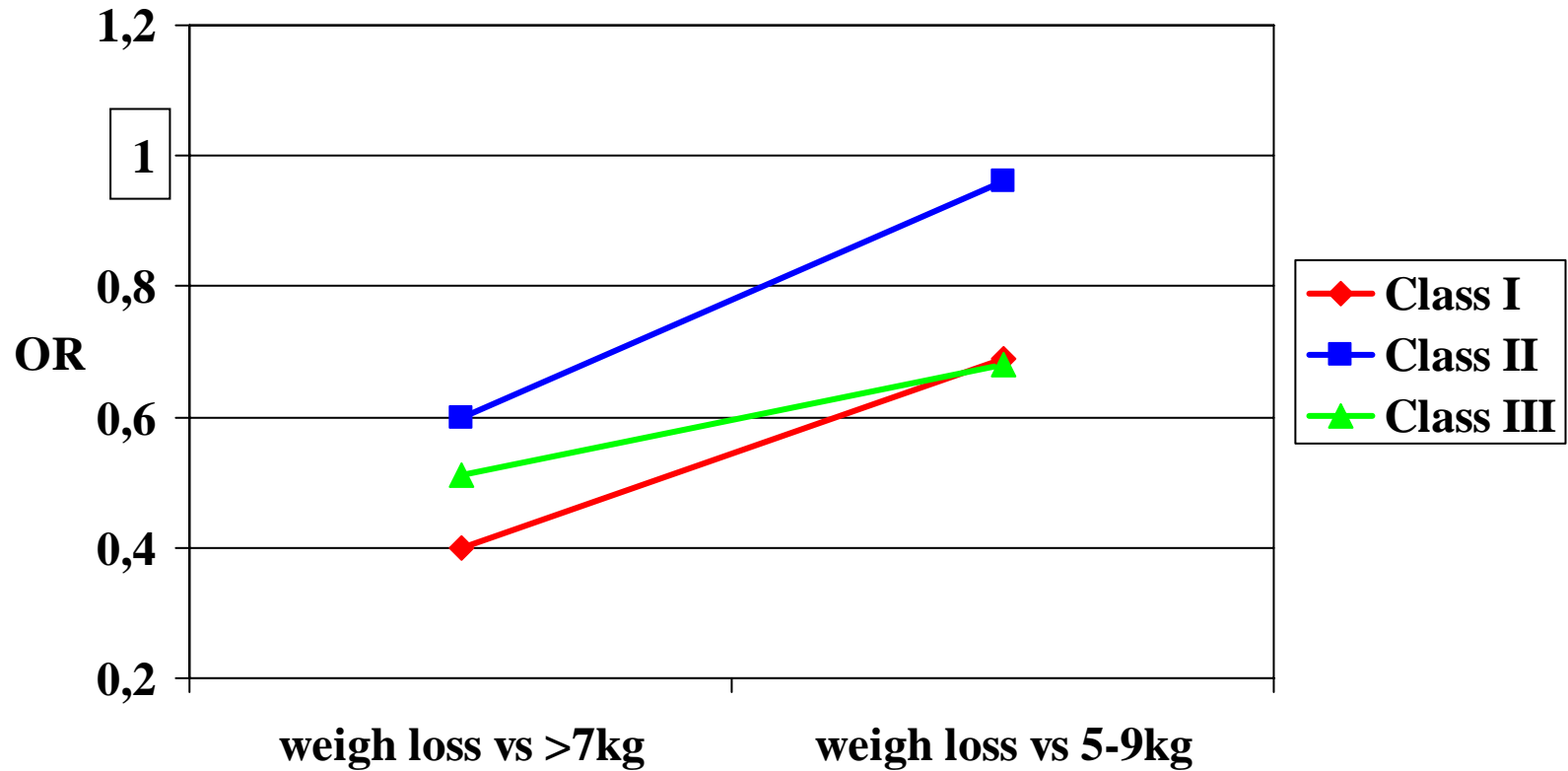
# Odds ratios of pregnancy outcomes for class I obese women



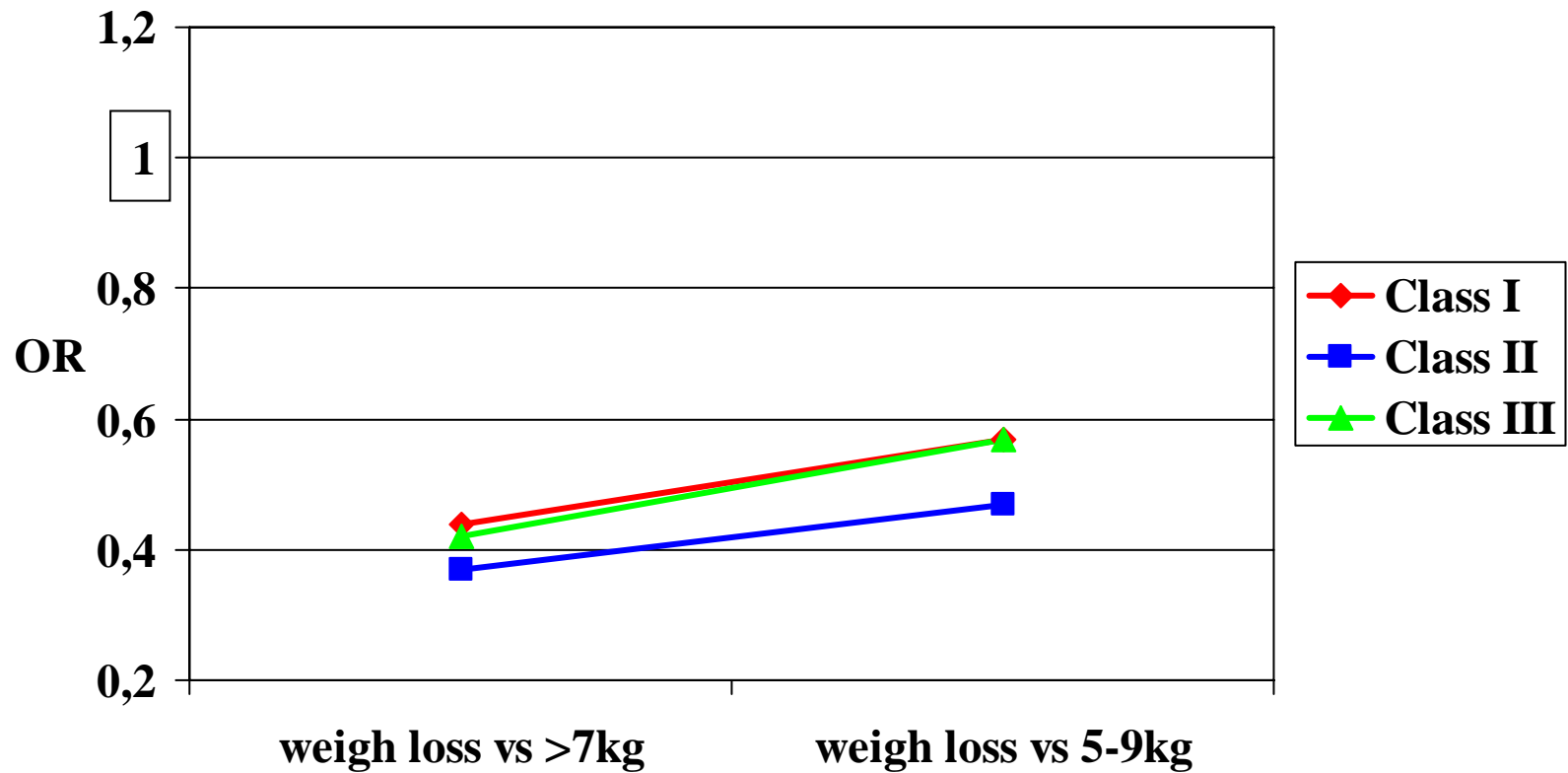
# Obstetric outcome among obese and morbidly obese women who loses weight during pregnancy

- Population-based cohort study
- 1993-2007
- Three obesity classes:
  - BMI 30-34.9 N=29,902
  - BMI 35-39.9 N=9,029
  - BMI  $\geq$ 40 N=3,096
- Confounders: maternal age, smoking, parity

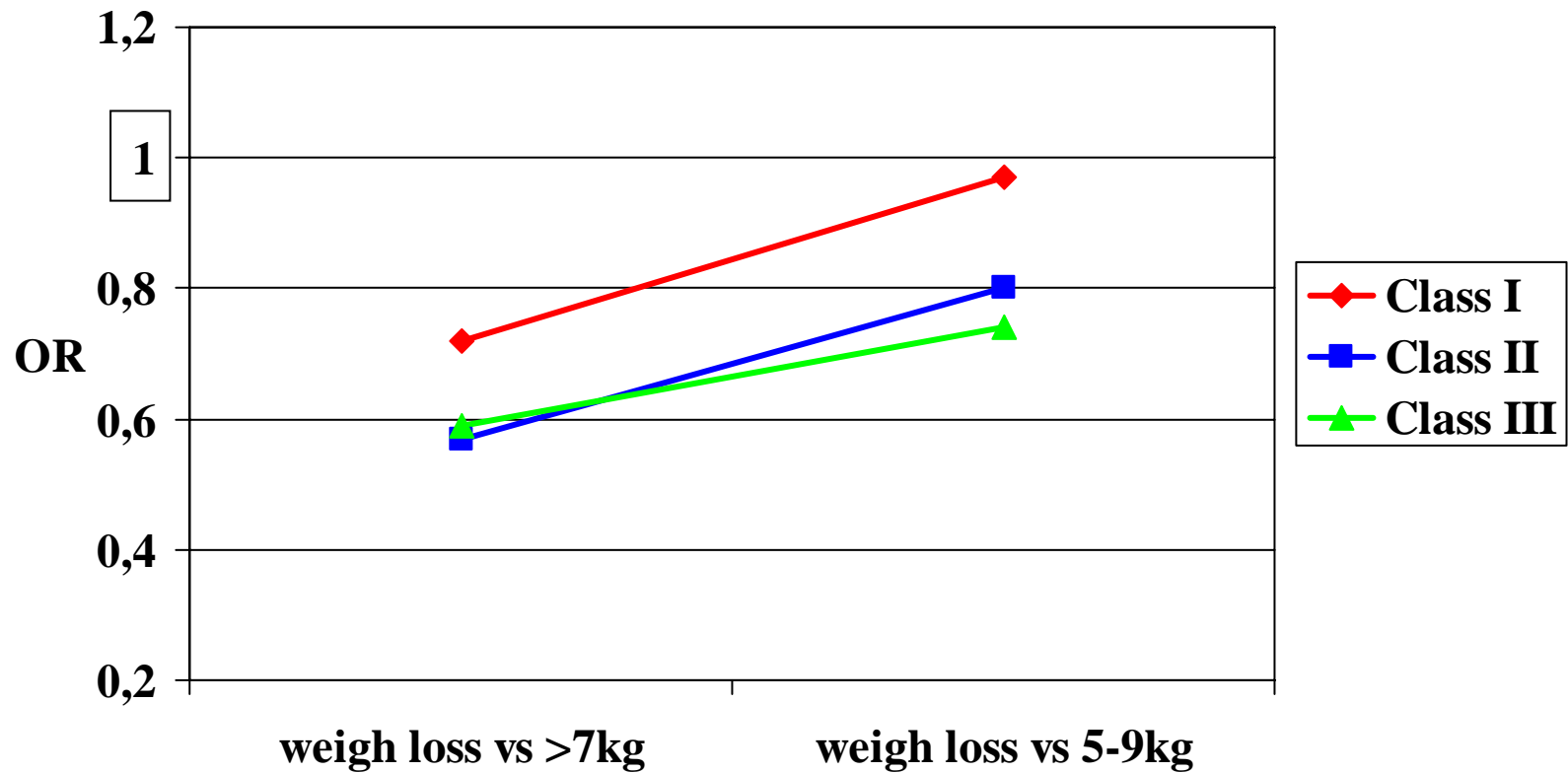
# Preeclampsia



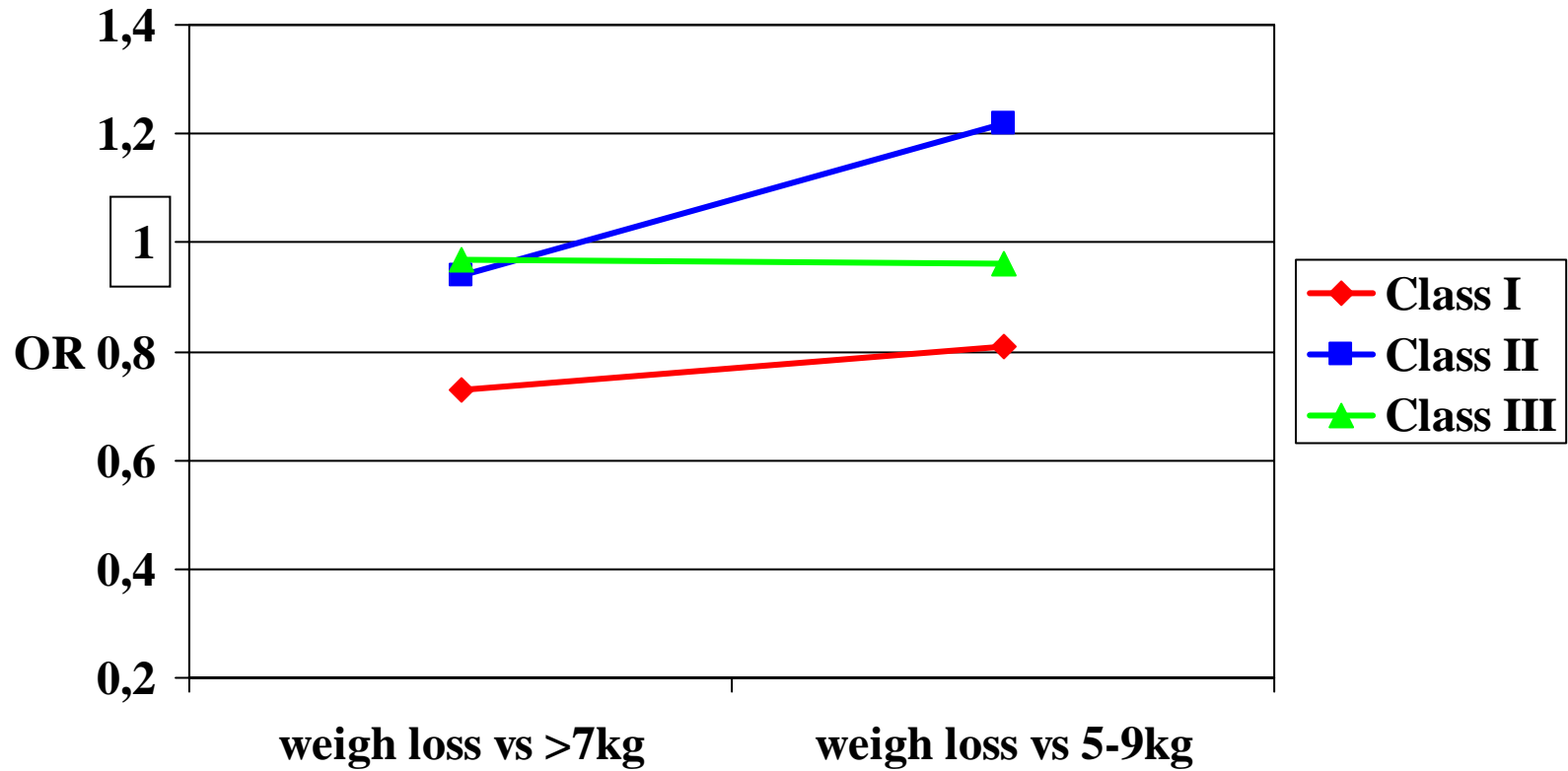
# Cesarean section



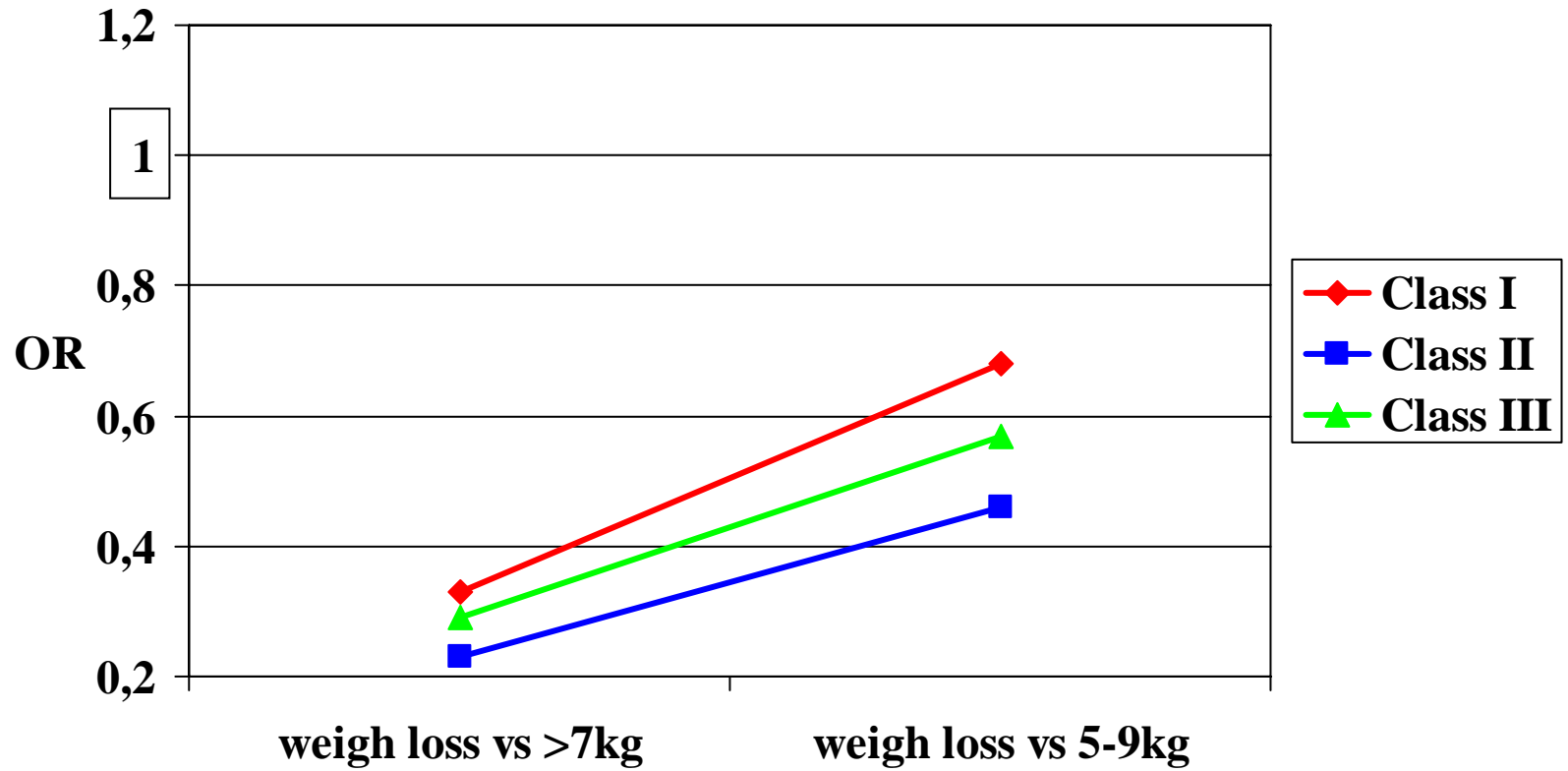
# Instrumental delivery



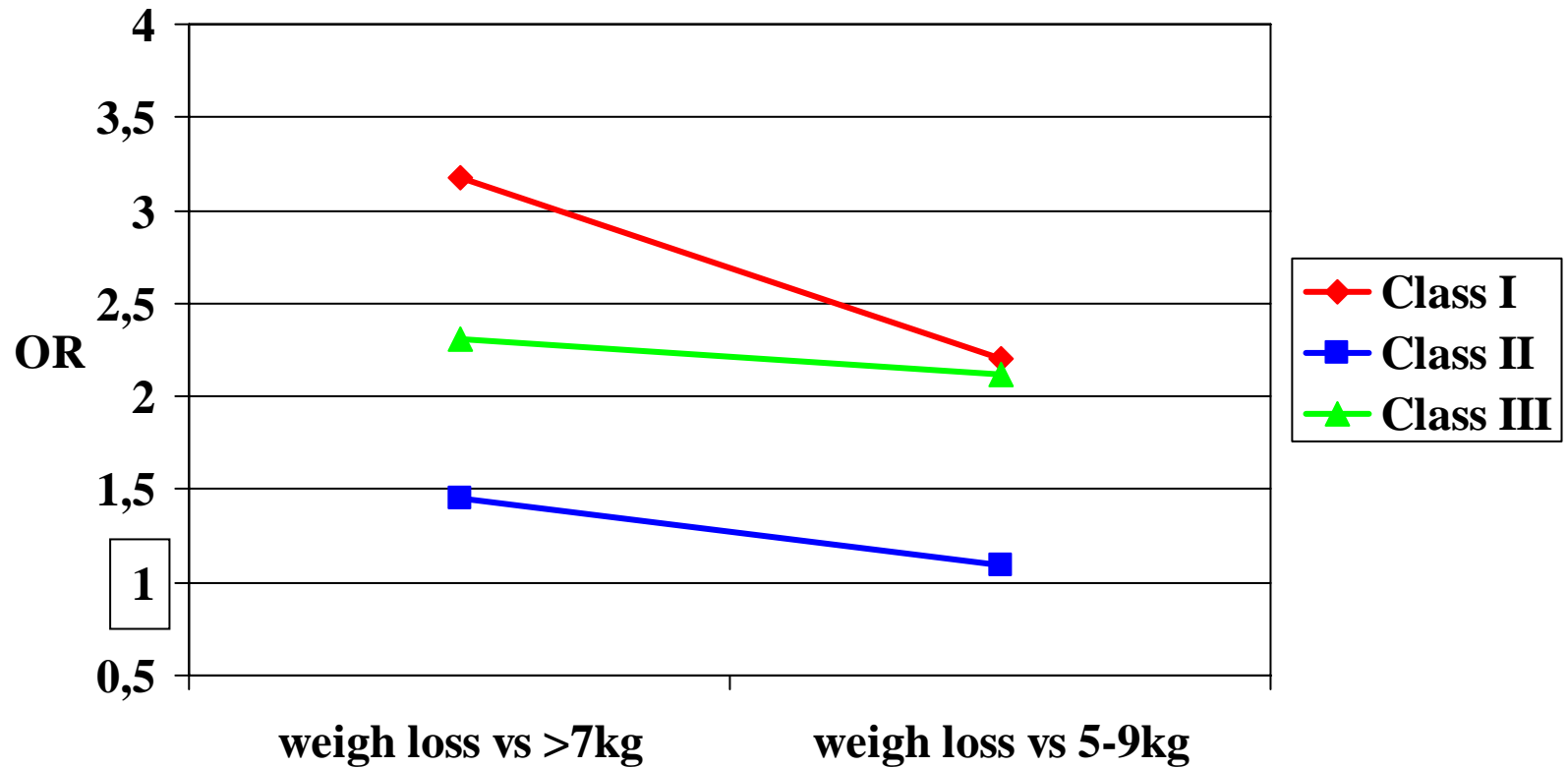
# Bleeding >1000ml



# LGA



# SGA



# Apgar <7 at 5 minutes

