Objective
The diagnosis and treatment of deep vein thrombosis associated with Bier's spots is challenging for obstetricians. A rare case of Bier's spots during pregnancy is reported.

Methods
Case report.

Results
A 35-year-old woman was diagnosed with deep vein thrombosis during her first pregnancy. She came to our out-patient department (OPD) because of swelling and a painful sensation in her left lower limb and legs, accompanied by skin color change. Heparin was prescribed before admission. Physical examinations revealed irregular borders against a background of blanching erythema on the patient's lower limbs in the dependent position. The lesions disappeared when the limbs were raised. The Doppler sonography images of the left lower limb deep vein exhibited a partial thrombus in the common femoral vein. After medical treatment, the deep vein thrombosis was resolved. The symptoms of changed skin color on the patient’s legs remained and were diagnosed as Bier's spots. The patient was discharged and all the lesions disappeared after delivery. During the patient's second pregnancy, the symptoms reappeared and again resolved gradually after delivery. No treatment was arranged.

Conclusion
Bier's spots may manifest as an overstated physiological response of small vessels to the venous hypertension in gestating patients. Clinicians can not ignore the possibility of Bier's spots as a presentation of physiological change during pregnancy, which can even be accompanied by deep vein thrombosis.