Among about 10000 pregnant women admitted to prenatal clinics of Shariati hospital during March 2006 till March 2007 for about 300 subjects were sent invitation letter based on random number table. For 268 pregnant women were admitted to prenatal clinics of Shariati Hospital, were diagnosed GDM during March 2006 till March 2007 were sent the invitation letter.

- 89 letters returned because of wrong address or moving
- 71 letters returned because of wrong address or moving

82 subjects were volunteers to participation

- 6 subjects excluded because of NSAIDS consumption

67 subjects signed inform consent and were enrolled in the study

- 4 subjects excluded because of diabetes mellitus and 5 subjects due to NSAIDS consumption

77 subjects signed inform consent and were enrolled in the study