Introduction

Recently, identified FTO variants had BMI and several other traits have been associated with increased weight, BMI and several related traits as well as with increased risk of type 2 diabetes. PCOS is a common endocrine disease affecting 10% of women, present with polycystic ovaries, hyperandrogenism, and hyperinsulinemia. In PCOS women, several polymorphisms on chromosome 16, which includes the FTO gene, have been associated with a number of quantitative traits. The FTO gene encodes a protein that is involved in fat mass and obesity associated gene, where its role may be larger than in other phenotypes. Diabetes Metab. 2009;35(4):328–331.

Methodology

Statistical analyses

Results

Study flow

Study characteristics

Table 1: Characteristics of included studies

Conclusions

References

Abbreviations

Images

Figure 1: Systematic literature search according to PRISMA

Figure 2: Comparison of effect FTO A/C allele on BMI between PCOS women and the general female population from the PCOS Families (PCOSF) and GIANT studies.