

Relevance of *MTHFR* polymorphisms with response to fluoropyrimidine-based chemotherapy in esophagogastric cancer: a meta-analysis

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Supplementary Table 1 PubMed search strategies

Database	Time span of search	Search strategy
PubMed	from inception up to October 2017	<ol style="list-style-type: none"> 1. methylene tetrahydrofolate reductase or Methylene tetrahydrofolate reductase or MTHFR or folate [All Fields] 2. fluorouracil or fluorouracil or 5-FU or tegafur or UFT or capecitabine or Xeloda or fluoropyrimidine or fluoropyrimidine [All Fields] 3. Pharmacogenetic* or polymorphism* or genetic* or variant* or genotype* or mutation* or Single Nucleotide [All Fields] 4. gastric or esophageal or esophagogastric or gastroesophageal or stomach [All Fields] 5. 1 and 2 and 3 and 4

Supplementary Figure legends

Supplementary Figure S1 Forest plot of *MTHFR* polymorphisms with the response to fluoropyrimidine-based chemotherapy. A. Forest plot for the dominant model of *MTHFR* C677T variant; B. Forest plot for the recessive model of *MTHFR* C677T variant; C. Forest plot for the dominant model of *MTHFR* A1298C variant; D. Forest plot for the recessive model of *MTHFR* A1298C variant.

Supplementary Figure S2 Sensitivity analysis. A. Sensitivity analysis for the dominant model of *MTHFR* C677T variant; B. Sensitivity analysis for the recessive model of *MTHFR* C677T variant; C. Sensitivity analysis for the dominant model of *MTHFR* A1298C variant; D. Sensitivity analysis for the recessive model of *MTHFR* A1298C variant.

Supplementary Figure S3 Publication bias. A. Begg's funnel plot of the publication bias in the dominant model of *MTHFR* C677T polymorphism; B. Begg's funnel plot of the publication bias in the recessive model of *MTHFR* C677T polymorphism; C. Begg's funnel plot of the publication bias in the dominant model of *MTHFR* A1298C polymorphism; D. Begg's funnel plot of the publication bias in the recessive model of *MTHFR* A1298C polymorphism.