

The search strategy in PubMed:

#1 "CA-19-9 Antigen"[Mesh] or "CA-19-9" OR "CA-19-9 Antigen" OR "Antigen, CA-19-9" OR "CA 19 9 Antigen" OR "CA 19.9 Antigen" OR "Antigen, CA 19.9" OR "Gastrointestinal Cancer Antigen" OR "Cancer Antigen, Gastrointestinal" OR "CA 19-9 Antigen" OR "Antigen, CA 19-9" OR "Antigen CA-19-9" or "Antigen CA 19 9" or "CA-19-9, Antigen"

#2 "Pancreatic Neoplasms/diagnosis"[Mesh] or "Pancreatic Neoplasms" or "Neoplasm, Pancreatic" or "Pancreatic Neoplasm" or "Pancreas Neoplasms" or "Neoplasm, Pancreas" or "Neoplasms, Pancreas" or "Pancreas Neoplasm" or "Neoplasms, Pancreatic" or "Cancer of Pancreas" or "Pancreas Cancers" or "Pancreas Cancer" or "Cancer, Pancreas" or "Cancers, Pancreas" or "Pancreatic Cancer" or "Cancer, Pancreatic" or "Cancers, Pancreatic" or "Pancreatic Cancers" or "Cancer of the Pancreas"

#3 "Carcinoembryonic Antigen"[Mesh] OR "Antigen, Carcinoembryonic" OR "CD66e Antigen" OR "Antigens, CD66e" OR "CD66e Antigens" OR "Antigen, CD66e"

#4 ((#1 OR #3) and #2) Filters: Clinical trial; Humans 175

The search strategy in EMBASE:

'pancreatic neoplasms'/exp OR 'pancreas neoplasia' OR 'pancreas neoplasm' OR 'pancreas tumor' OR 'pancreas tumour' OR 'pancreatic neoplasm' OR 'pancreatic neoplasms' OR 'pancreatic tumor' OR 'pancreatic tumour' OR 'pancreatic cancer'/exp

OR 'pancreas cancer' OR 'pancreatic cancer' AND ('ca 19 9 antigen'/exp OR 'ca 19 9 antigen' OR 'ca 19-9 antigen' OR 'antigen 19-9' OR 'antigen ca 19-9' OR 'ca 19 9' OR 'ca 19-9' OR 'ca-19-9 antigen' OR 'cancer associated antigen 19-9' OR 'cancer associated glycolipid antigen 19-9' OR 'carbohydrate antigen 19-9' OR 'carcinoembryonic antigen'/exp OR 'cea' OR 'antigen, carcinoembryonic' OR 'carcinoembryonal antigen' OR 'carcinoembryonic antigen' OR 'carcinoembryonic protein' OR 'ce antigen' OR 'protein, carcinoembryonic') AND [embase]/lim NOT [medline]/lim AND ('clinical article'/de OR 'clinical study'/de OR 'clinical trial'/de OR 'cohort analysis'/de OR 'controlled study'/de OR 'diagnostic test accuracy study'/de OR 'major clinical study'/de OR 'prospective study'/de OR 'retrospective study'/de) AND [humans]/lim 481

The search strategy in Cochrane library

#1 MeSH descriptor: [CA-19-9 Antigen] explode all trees

#2 “CA-19-9” OR “CA-19-9 Antigen” OR “Antigen, CA-19-9” OR “CA 19 9 Antigen” OR “CA 19.9 Antigen” OR “Antigen, CA 19.9” OR “Gastrointestinal Cancer Antigen” OR “Cancer Antigen, Gastrointestinal” OR “CA 19-9 Antigen” OR “Antigen, CA 19-9” OR “Antigen CA-19-9” or “Antigen CA 19 9” or “CA-19-9, Antigen” or “ca 19 9 antigen” OR “ca 19-9 antigen” OR “antigen 19-9” OR “antigen ca 19-9” OR “ca 19 9” OR “ca 19-9” OR “ca-19-9 antigen” OR “cancer associated antigen 19-9” OR “cancer associated glycolipid antigen 19-9”

#3 MeSH descriptor: [Carcinoembryonic Antigen] explode all trees

#4 "Antigen, Carcinoembryonic" OR "CD66e Antigen" OR "Antigens, CD66e" OR "CD66e Antigens" OR "Antigen, CD66e" or "cea" OR "antigen, carcinoembryonic" OR "carcinoembryonal antigen" OR "carcinoembryonic antigen" OR "carcinoembryonic protein" OR "ce antigen" OR "protein, carcinoembryonic"

#5 MeSH descriptor: [Pancreatic Neoplasms] explode all trees

#6 "Pancreatic Neoplasms" or "Neoplasm, Pancreatic" or "Pancreatic Neoplasm" or "Pancreas Neoplasms" or "Neoplasm, Pancreas" or "Neoplasms, Pancreas" or "Pancreas Neoplasm" or "Neoplasms, Pancreatic" or "Cancer of Pancreas" or "Pancreas Cancers" or "Pancreas Cancer" or "Cancer, Pancreas" or "Cancers, Pancreas" or "Pancreatic Cancer" or "Cancer, Pancreatic" or "Cancers, Pancreatic" or "Pancreatic Cancers" or "Cancer of the Pancreas" or 'pancreas neoplasia' OR 'pancreas tumor' OR 'pancreas tumour' OR 'pancreatic tumor' OR 'pancreatic tumour'

#7 (#1 or #2 or #3 or #4) and (#5 or #6) in trials 66

Table S1. Quality evaluation of the included studies using the QUADAS tool

[illegible]

[illegible]

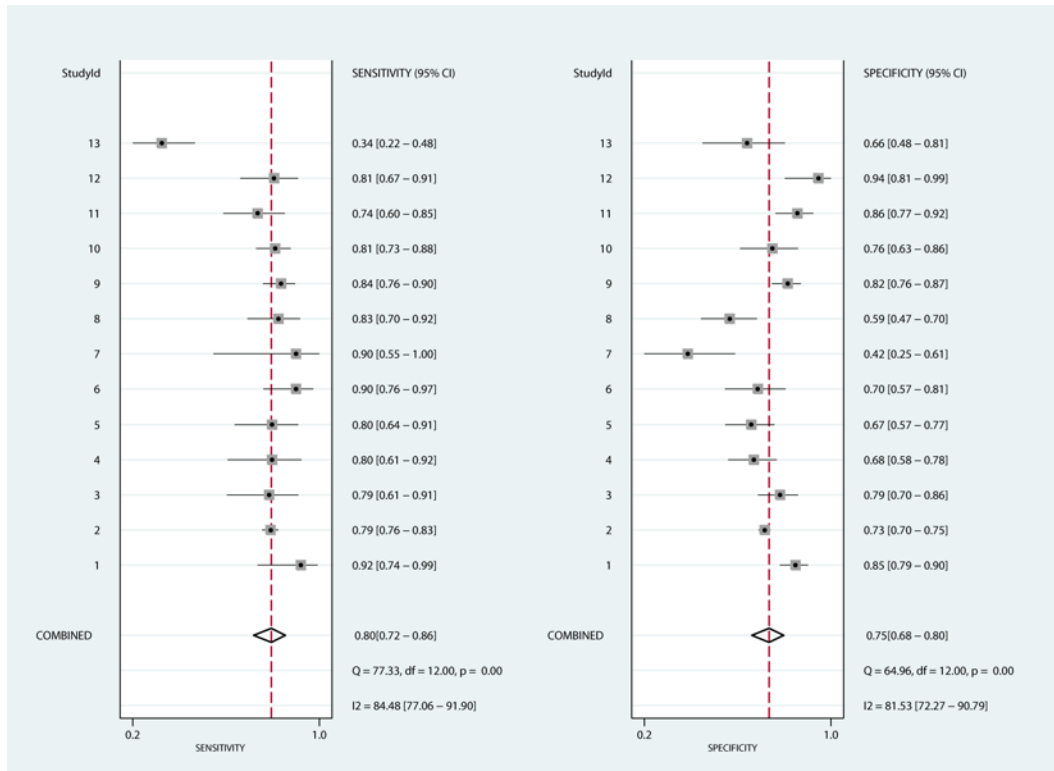


Figure S1. The summary of the results with regard to the sensitivity and specificity for CA 19-9

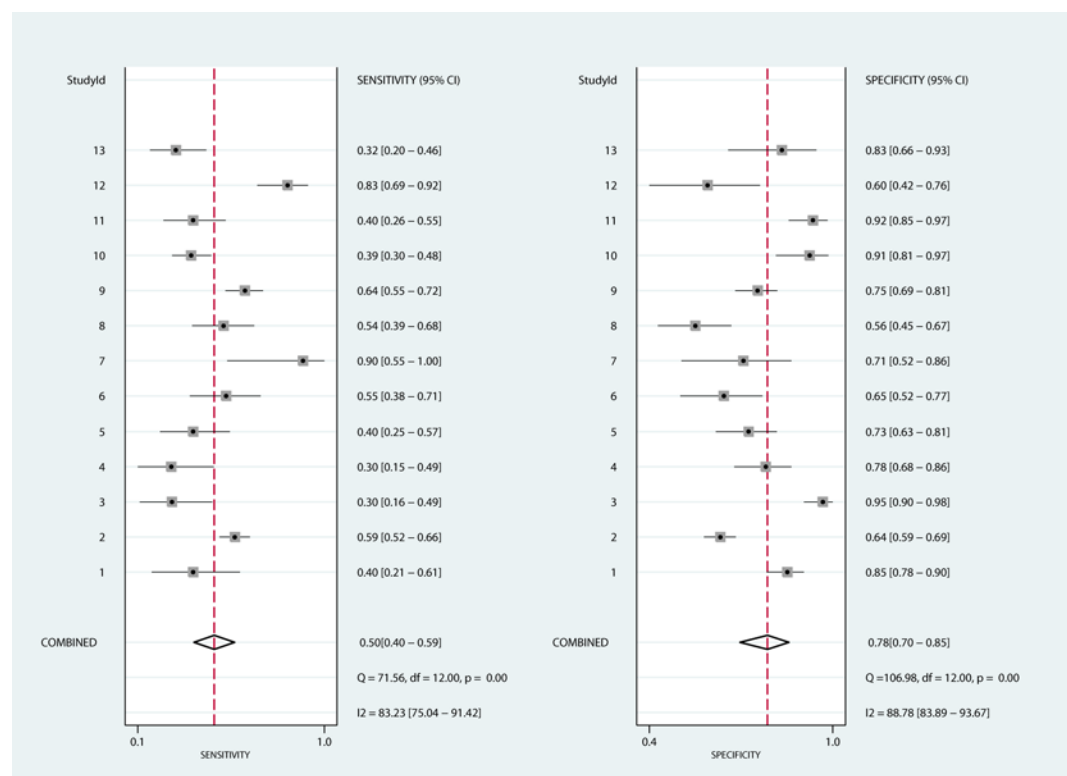


Figure S2. The summary of the results with regard to the sensitivity and specificity for CEA

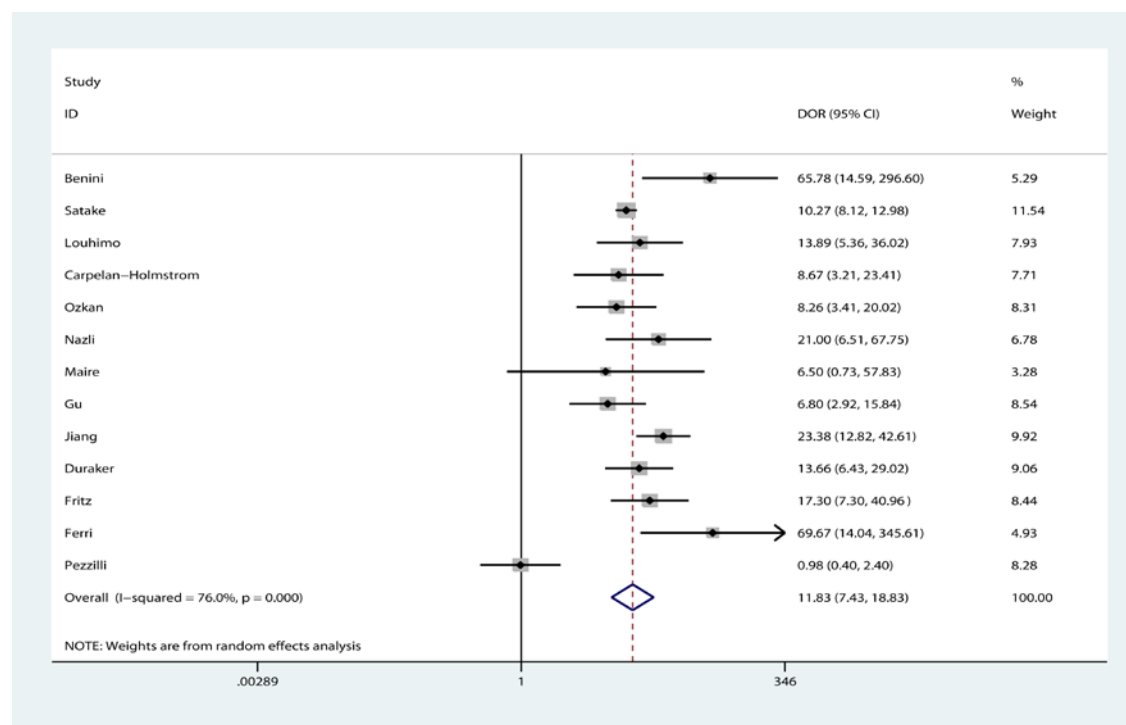


Figure S3. The summary of the results with regard to the DOR for CA 19-9

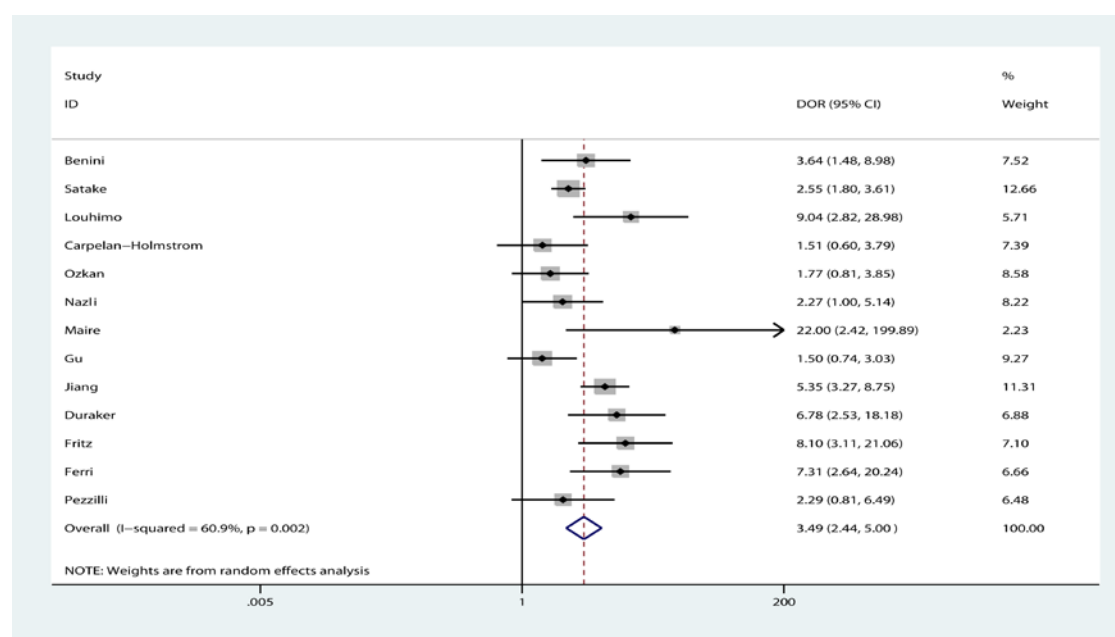


Figure S4. The summary of the results with regard to the DOR for CEA