

Naturext™

Public Health Symposium
公众健康教育研讨会



Current Topics on Cancer Adjuvant Medication

Roles of Herbal Medicines

Promoting the Nutraceutical Science of Preventive Self-care



Mr. LEE Chee Cheow (M.Sc.)

CSO, TCM Pharmacologist, Principal CAM Consultant
International Advanced Bio-Pharmaceutical Industries Pte Ltd.

Chemotherapy drugs Toxicities

Organ system	Toxic side effects
Cardiotoxicity (Heart)	hypotension, hypertension, arrhythmias, myocardial infarction, congestive cardiac failure, cardiomyopathy, myocarditis, and pericarditis,
Gastrointestinal toxicity	nausea and vomiting; diarrhea
Hepatotoxicity (Liver)	necrosis, steatosis, fibrosis, cholestasis
Nephrotoxicity (Kidney)	acute or chronic renal failure; long-term higher incidence of hypertension
Neurotoxic (Nerves)	peripheral neuropathy, muscle pain, cranial neuropathy, and seizures
Pulmonary toxicity (Respiratory)	dry cough, Pneumonitis, pulmonary fibrosis



Improve Quality of Life

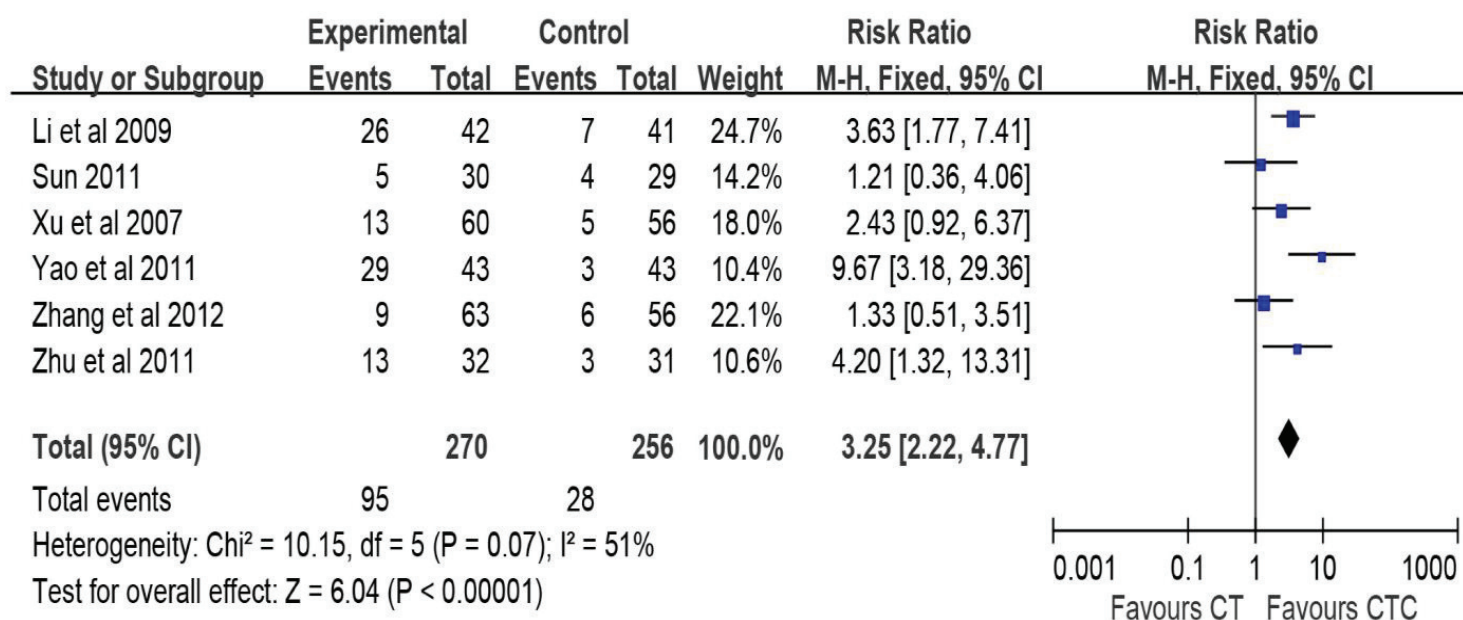


Figure: Quality of life. The quality of life changes on Karnofsky performance scale (KPS) were estimated from meta-analysis of pairwise comparisons in patients with Chinese herbal medicine (CTC, treatment group) versus patients in chemotherapy (CT, control group). KPS improvement (the increase of KPS ≥ 10)

Improve Tumor Regression

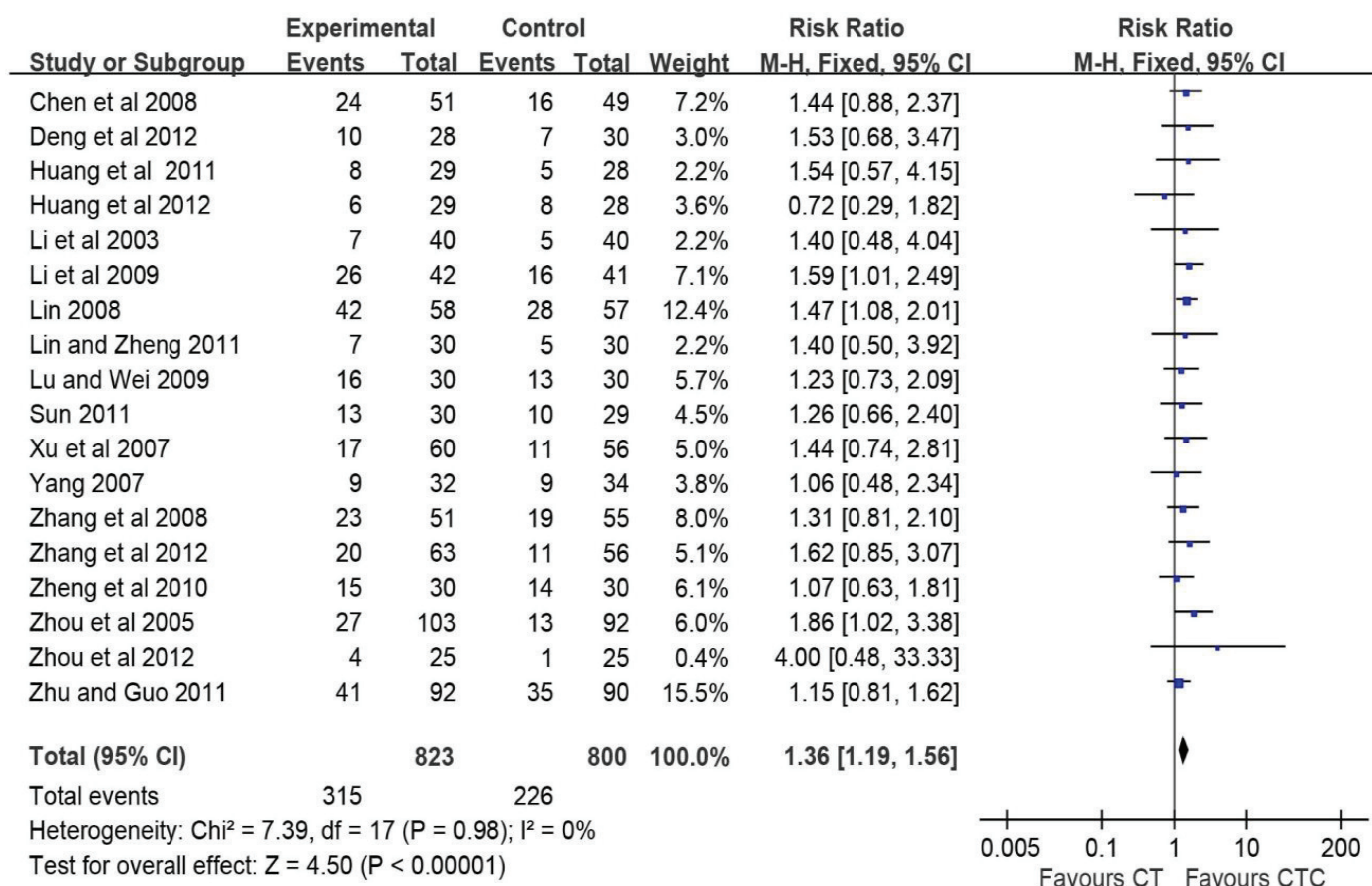
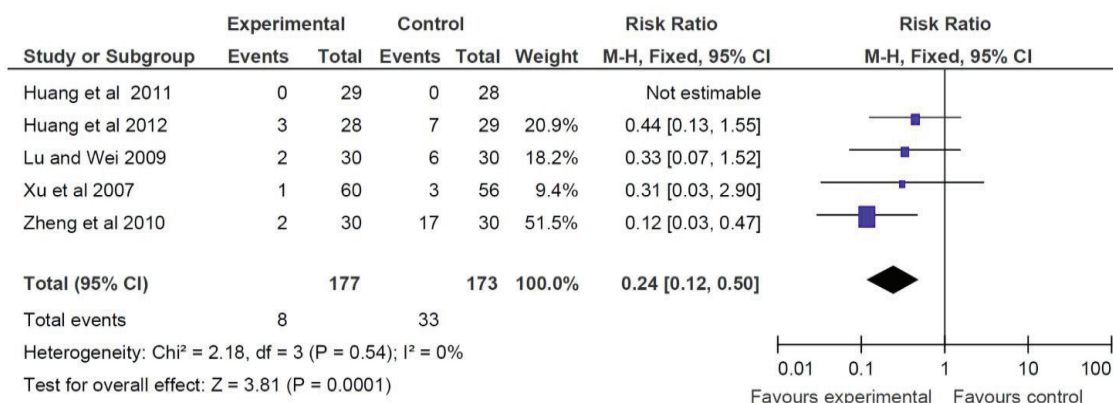
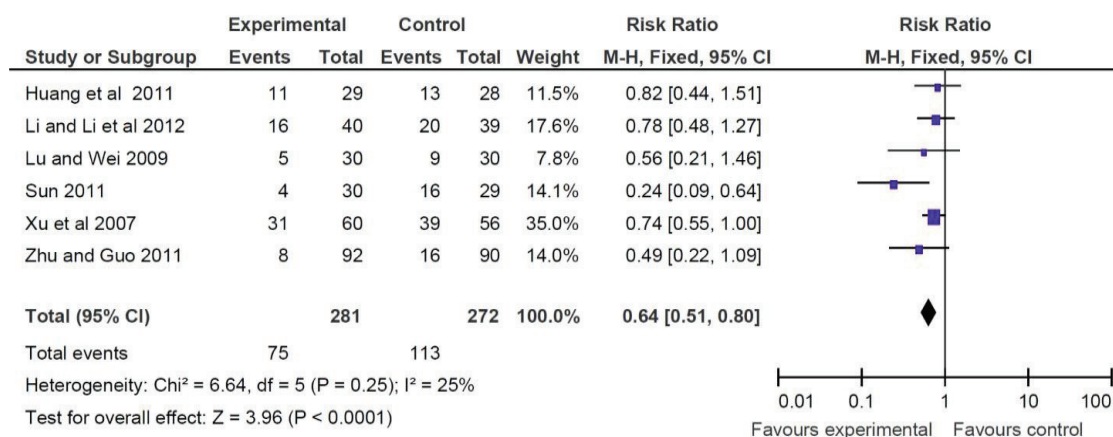


Figure: Immediate tumor responses. Immediate tumor responses estimated from meta-analysis of pairwise comparisons in patients with chemotherapy combined Chinese herbal medicine (CTC, treatment group) versus patients in chemotherapy (CT, control group).

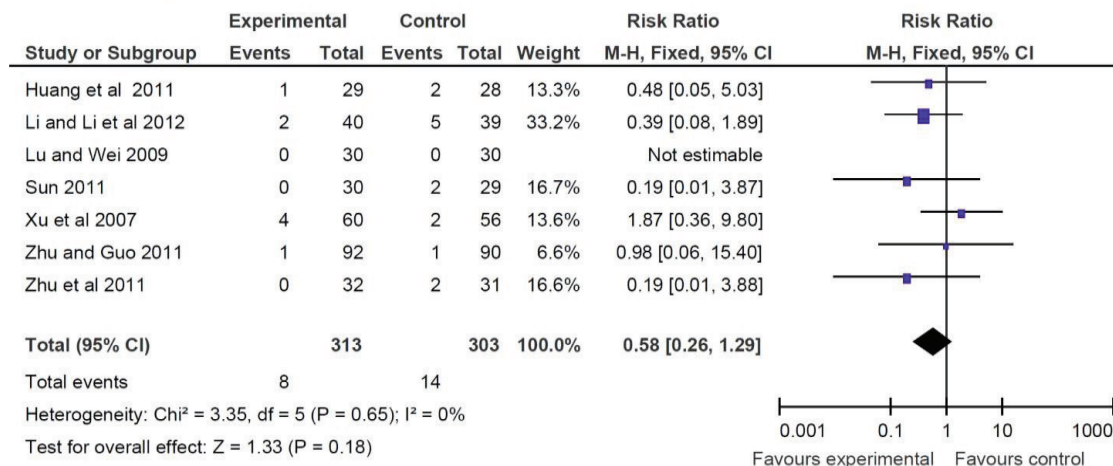
A. Nausea and vomiting at toxicity grade of III~IV



B. Hemoglobin decline at the toxicity grade of I~IV



C. Hemoglobin decline at the toxicity grade of III~IV

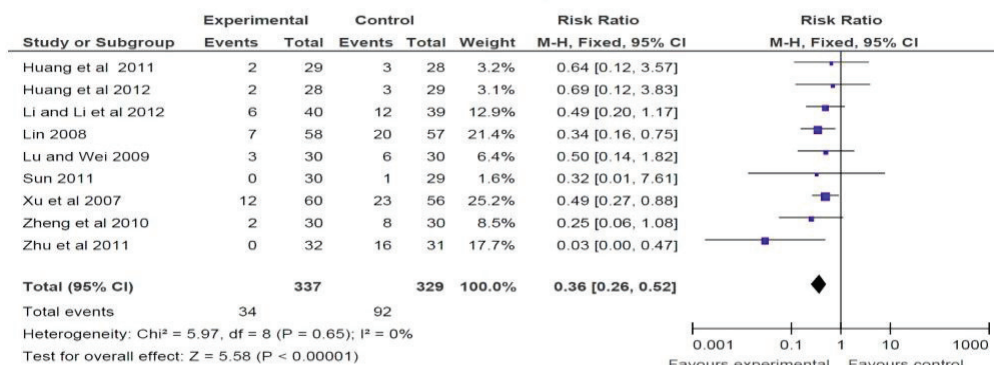


Alleviate Drug Toxic Side effects on RBC

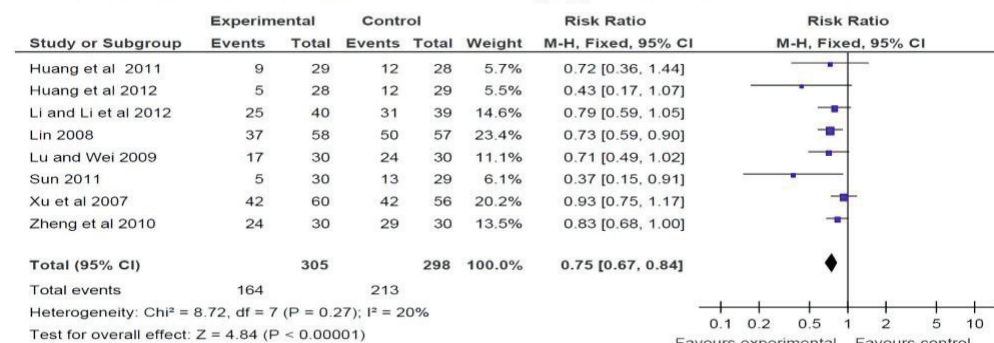
The Efficacy of Chinese Herbal Medicine as an Adjunctive Therapy for Advanced Non-small Cell Lung Cancer: A Systematic Review and Meta-analysis .

PLoS ONE 8(2): e57604. doi:10.1371/journal.pone.0057604

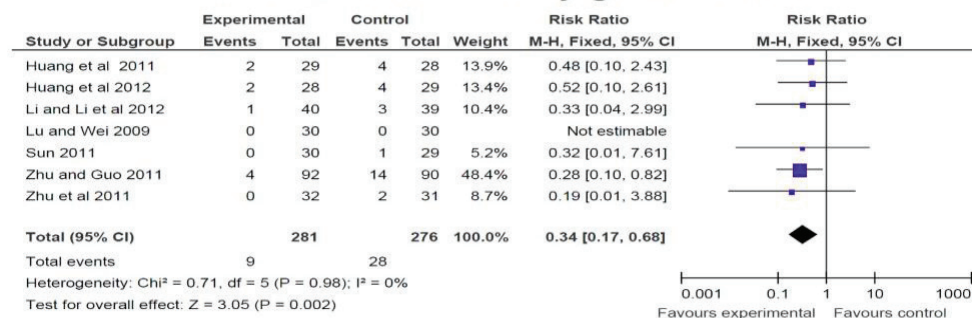
A. WBC reduction at the toxicity grade of III~IV



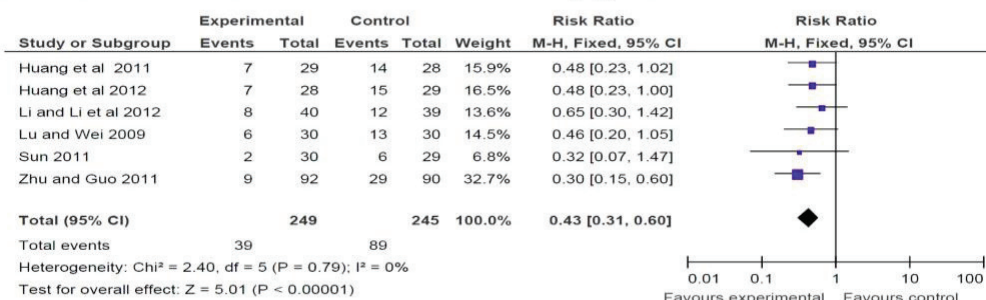
B. WBC reduction at the toxicity grade of I~IV



C. Platelet reduction at the toxicity grade of III~IV



D. Platelet reduction at the toxicity grade of I~IV



Alleviate Drug Toxic Side effects on WBC & Platelet

The Efficacy of Chinese Herbal Medicine as an Adjunctive Therapy for Advanced Non-small Cell Lung Cancer: A Systematic Review and Meta-analysis .

PLoS ONE 8(2): e57604. doi:10.1371/journal.pone.0057604

Improve Overall Survivals Rate

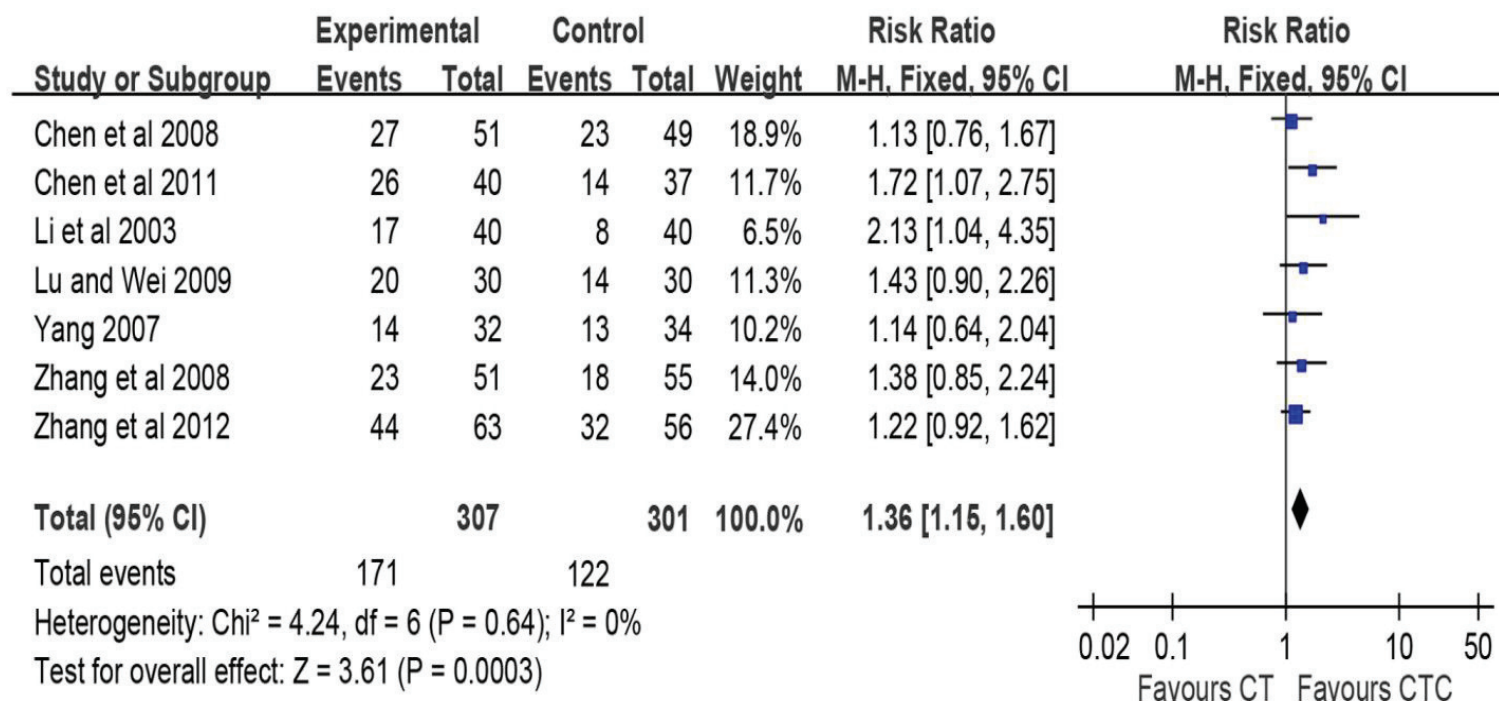


Figure: Number of patients with survival > one-year. Overall survivals estimated from meta-analysis of pairwise comparisons in the patients with chemotherapy combined Chinese herbal medicine (CTC, treatment group) versus patients in chemotherapy (CT, control group).

Cancer Adjuvant Medications

- Alleviated Drug Toxicity
- Improved Blood Profile & Immunity
- Improved Treatment Response

When use in conjunction with main stream cancer treatments
Present to patient as the option with

- **Increased Survival**
- **Improved Quality of Life**

**Naturext™**

Complementary & Alternative Medicine Advisory Center
8, Boon Lay Way, #08-03 Trade Hub 21
Singapore 609964
www.Naturext.com