



GI
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MEETING SUMMARY

ESMO 2016 – COPENHAGEN, DENMARK
OCTOBER 7TH TO 11TH 2016

BY ASSOC. PROF. GERALD PRAGER – MEDICAL
UNIVERSITY OF VIENNA, AUSTRIA

CANCERS OF THE LOWER GI TRACT

MCRC: RIGHT VS. LEFT

Right-sided (proximal) colon cancer

- More common in women
- Microsatellite instability
- Derived from midgut
- CIMP+, BRAF mutation
- MAPK signaling, serrated pathway
- Mutagenic CYP450 metabolites
- HNPCC



Fat ↑
Carbohydrate ↑

Left-sided (distal) colon cancer

- More common in men
- Chromosomal instability
- Derived from hindgut
- APC, K-ras, DCC, p53 mutations
- EGFR signaling, Wnt signaling
- HER1, HER2 amplification
- FAP



Protein ↑
Meat ↑
Calcium ↓

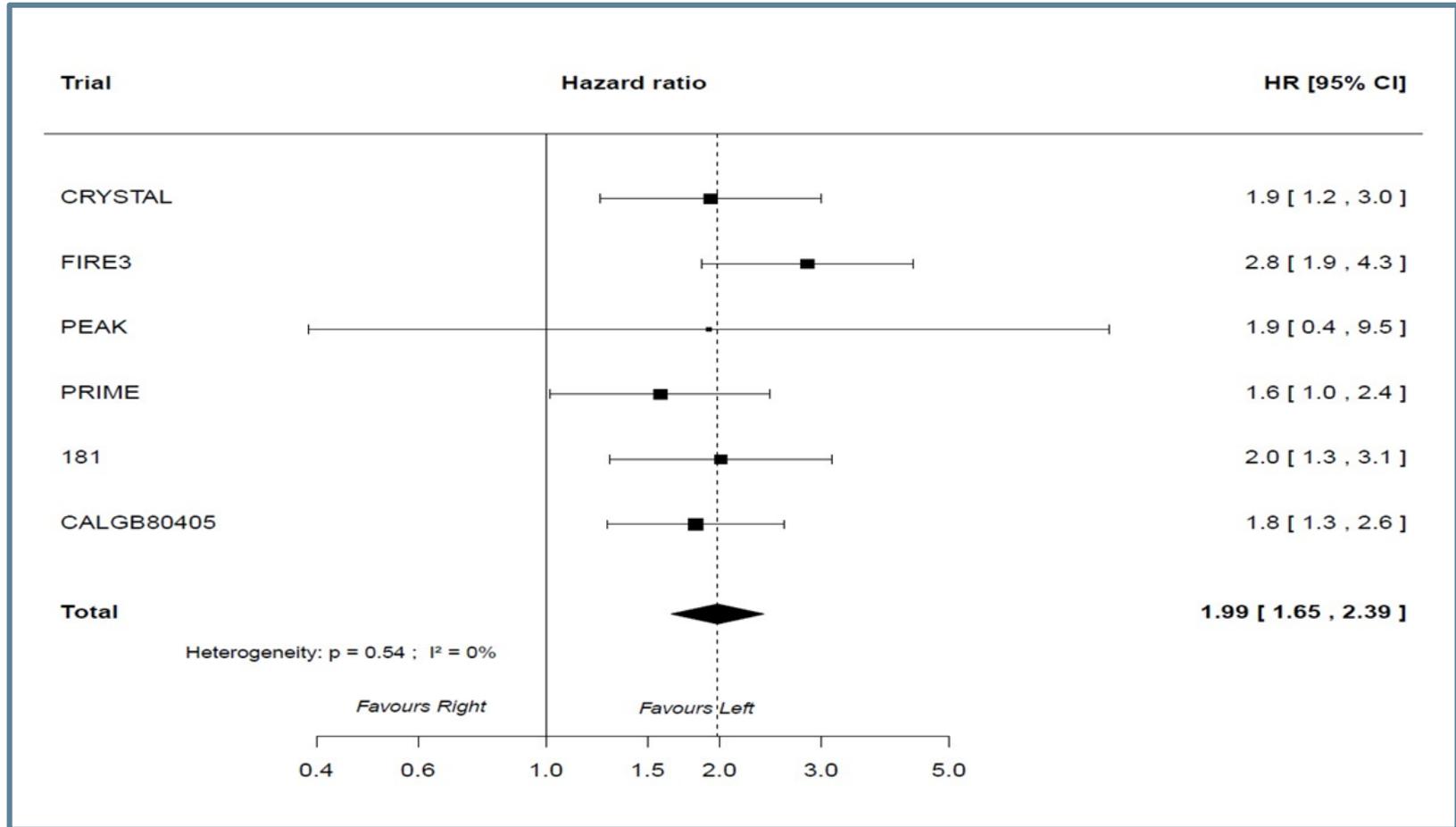
Summary of common clinical and molecular characteristics of right- and left-sided colon tumors and associations with dietary factors. CIMP = CpG island methylator phenotype; HNPCC = hereditary non-polyposis colorectal cancer; APC = adenomatous polyposis coli; K-ras = Kirsten-ras; DCC = deleted in colorectal cancer; FAP = familial adenomatous polyposis.

kindly provided by Heinz-Josef Lenz

POOLING OF SUMMARY DATA FROM 6 RANDOMIZED TRIALS ON TUMOR SIDE AND ANTI-EGFR IN ADVANCED CRC PATIENTS

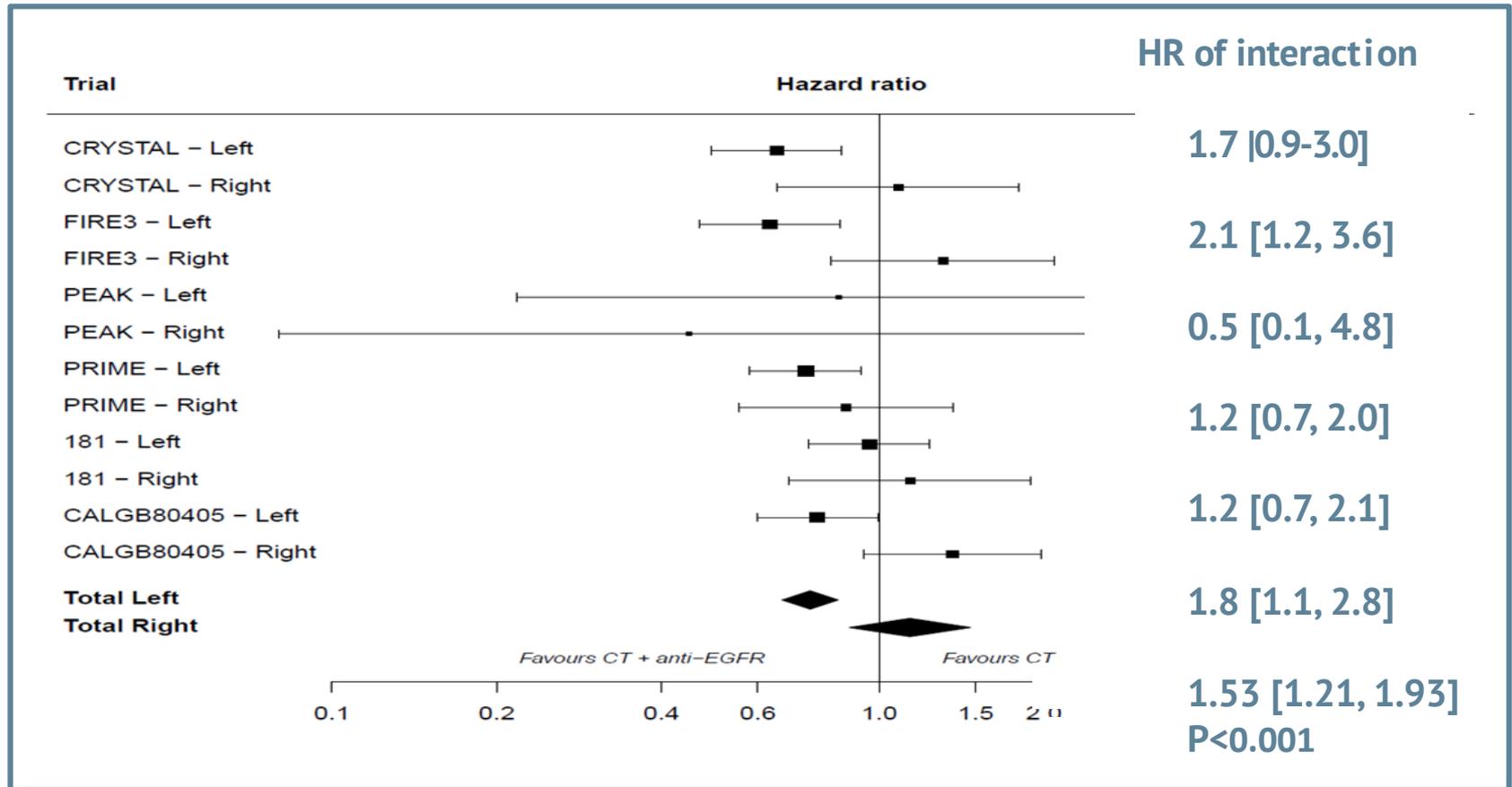
JY Douillard & JP Pignon for ESMO, Oct 2016

PROGNOSTIC ANALYSIS: OVERALL SURVIVAL



kindly provided by Dirk Arnold

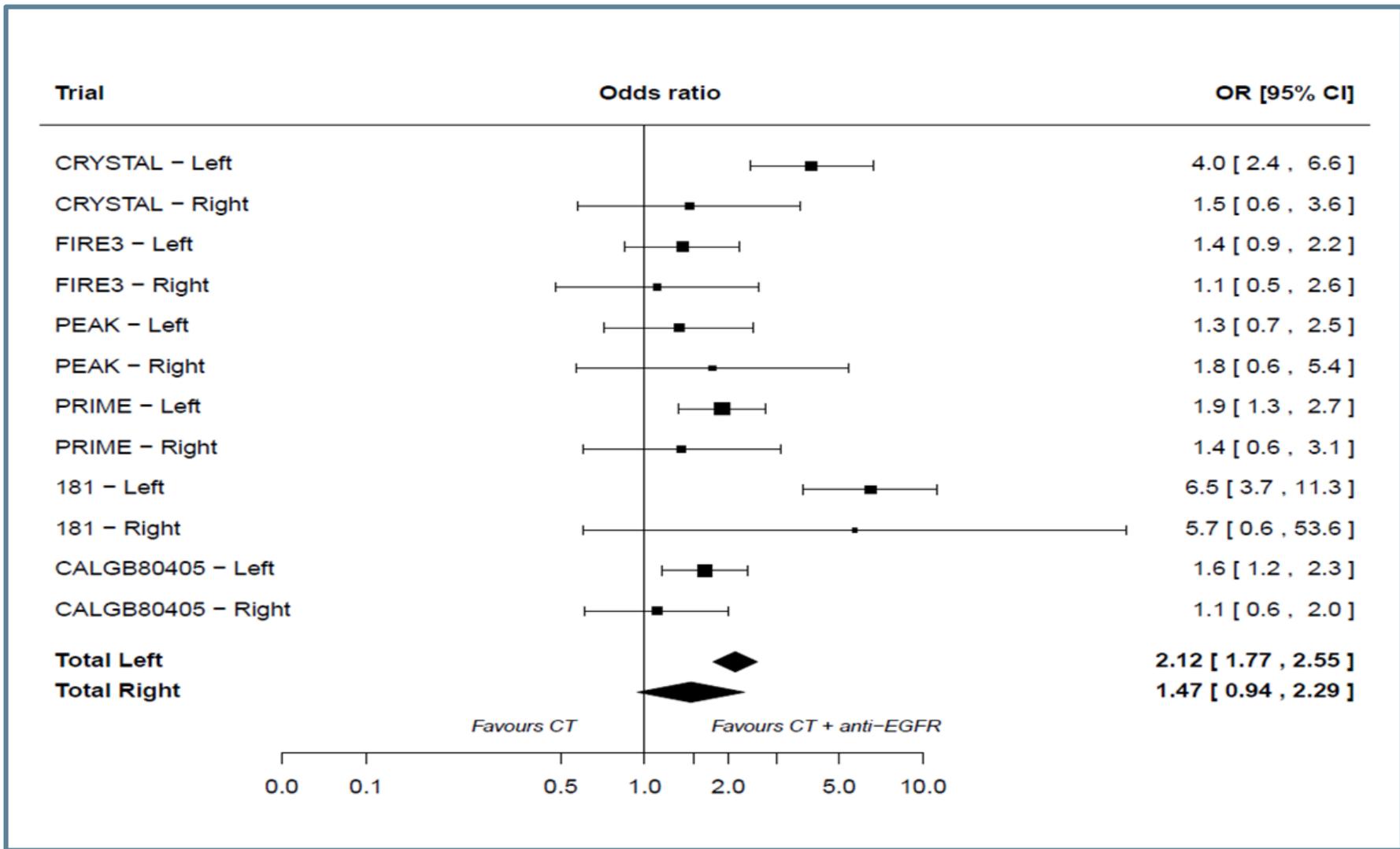
PREDICTIVE ANALYSIS: OVERALL SURVIVAL



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between interaction heterogeneity P=0.53

PREDICTIVE ANALYSIS: OVERALL RESPONSE RATE



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