



HIPEC in ovarian cancer



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Primary EOC – Neoadjuvant setting

JAMA Surgery | Original Investigation

Survival After Hyperthermic Intraperitoneal Chemotherapy and Primary or Interval Cytoreductive Surgery in Ovarian Cancer A Randomized Clinical Trial

Myong Cheol Lim, MD, PhD; Suk-Joon Chang, MD, PhD; Boram Park, PhD; Heon Jong Yoo, MD, PhD; Chong Woo Yoo, MD, PhD;
Byung Ho Nam, PhD; Sang-Yoon Park, MD, PhD; for the HIPEC for Ovarian Cancer Collaborators

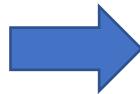
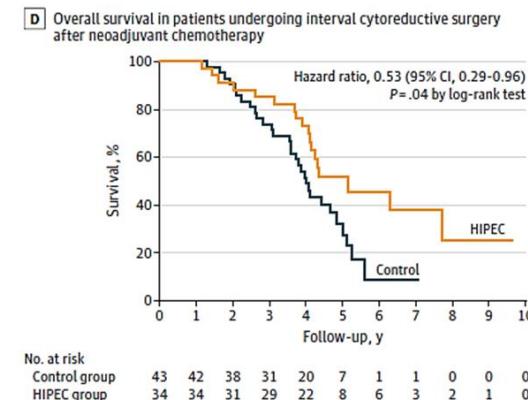
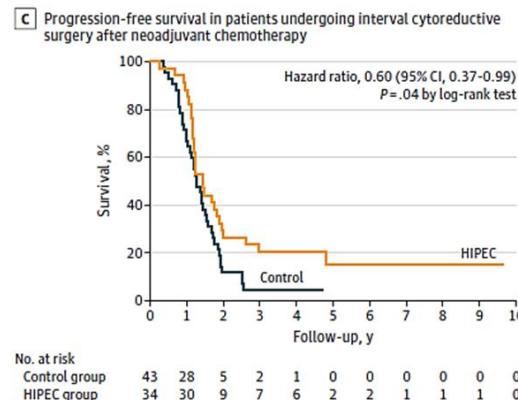
- ✓ Subgroup analysis: ICS after NAC group

ICS without HIPEC (N = 43)

vs

ICS with HIPEC (N = 34)

- ✓ Cisplatin 75mg/m², N/S



Survival benefits of HIPEC with ICS in subgroup analysis of patients who underwent neoadjuvant chemotherapy

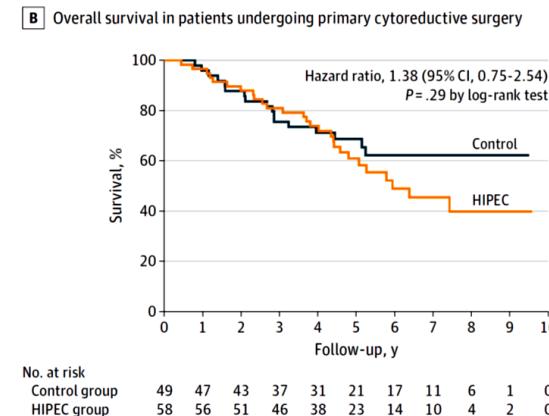
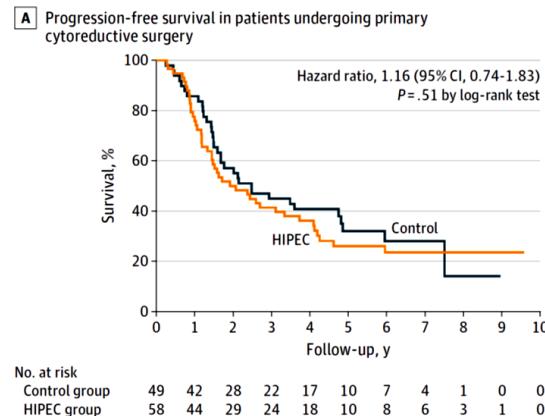
Primary EOC – Primary setting

JAMA Surgery | Original Investigation

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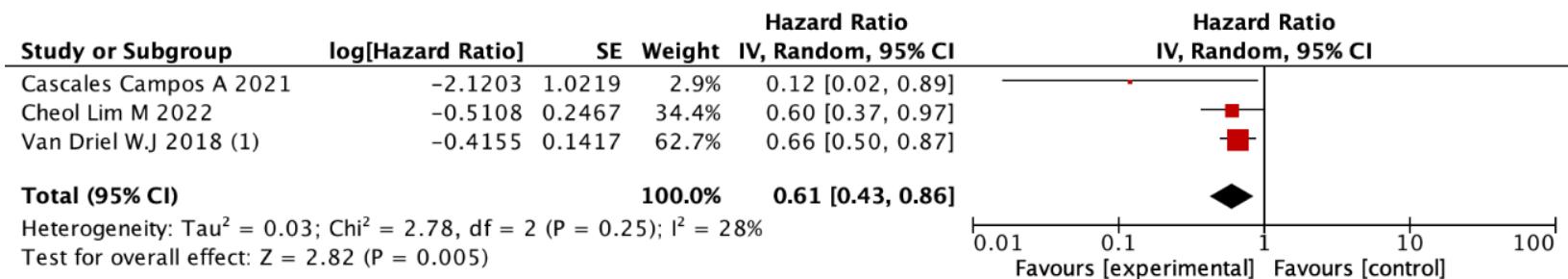
- ✓ Subgroup analysis : PCS
- PCS without HIPEC (N = 49)
- VS
- PCS with HIPEC (N = 58)
- ✓ Cisplatin 75mg/m², N/S



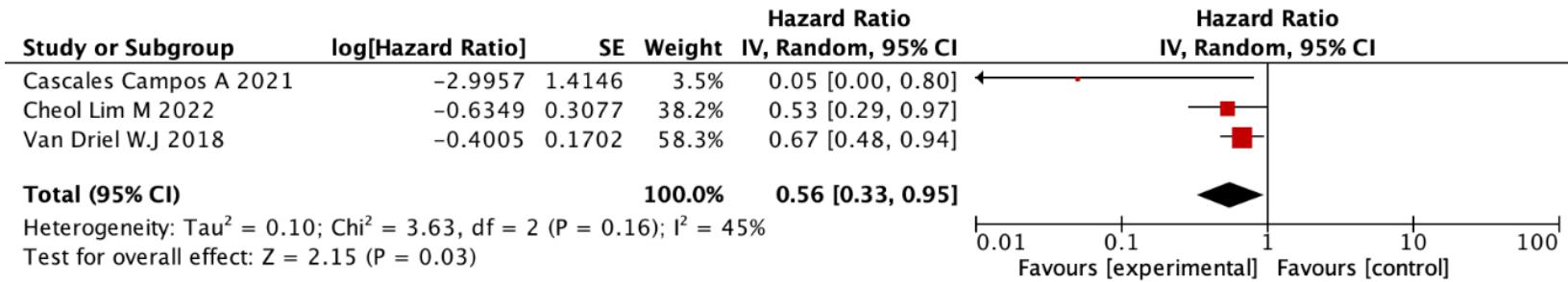
→ No survival benefits of PCS with HIPEC in stage III or IV ovarian cancer patients.

Primary EOC - NACT and IDS (RCTs only)

PFS

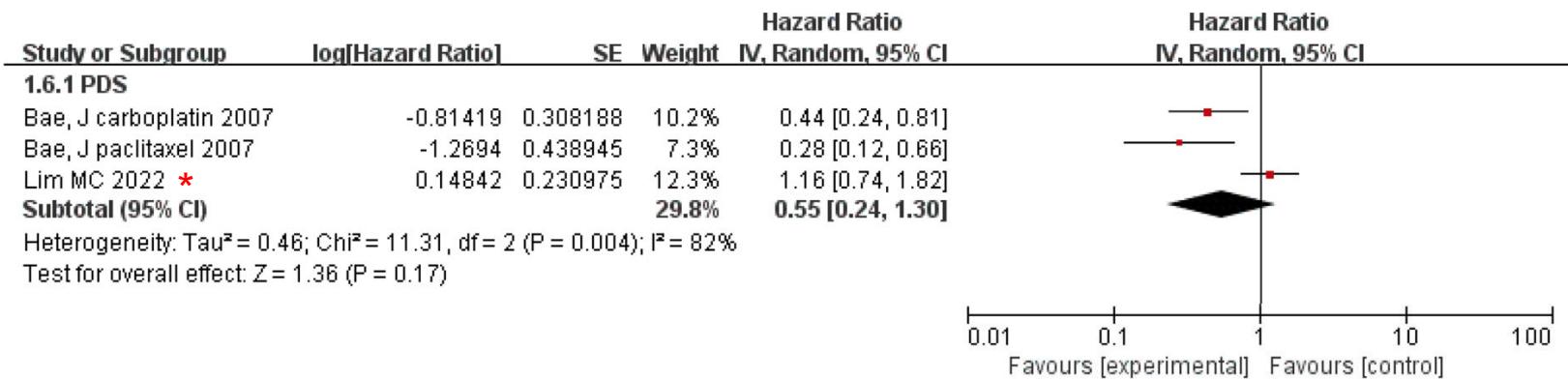


OS

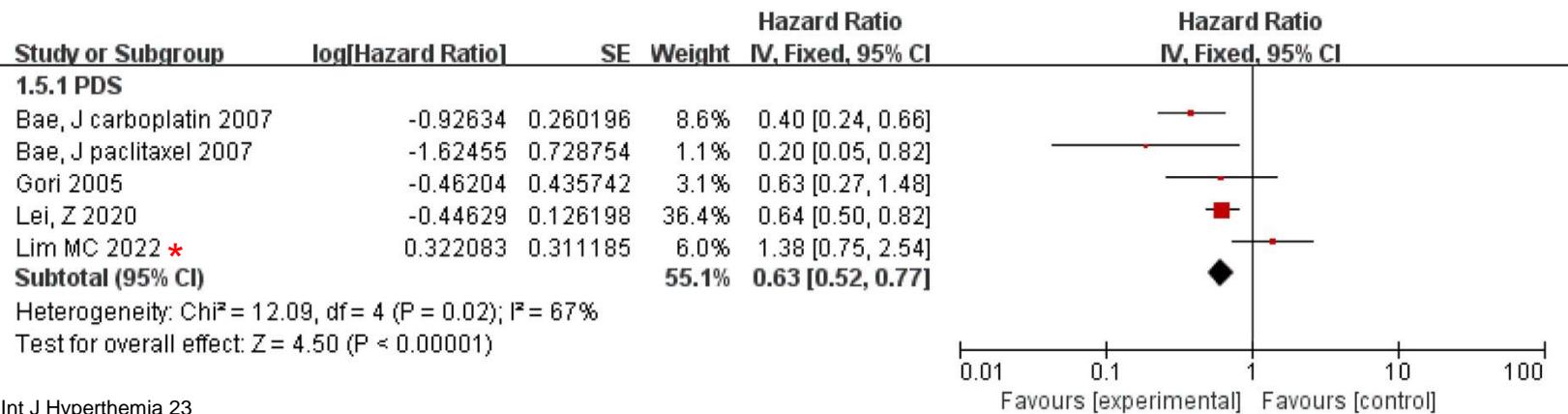


Primary EOC – Primary cytoreduction (PDS)

PFS

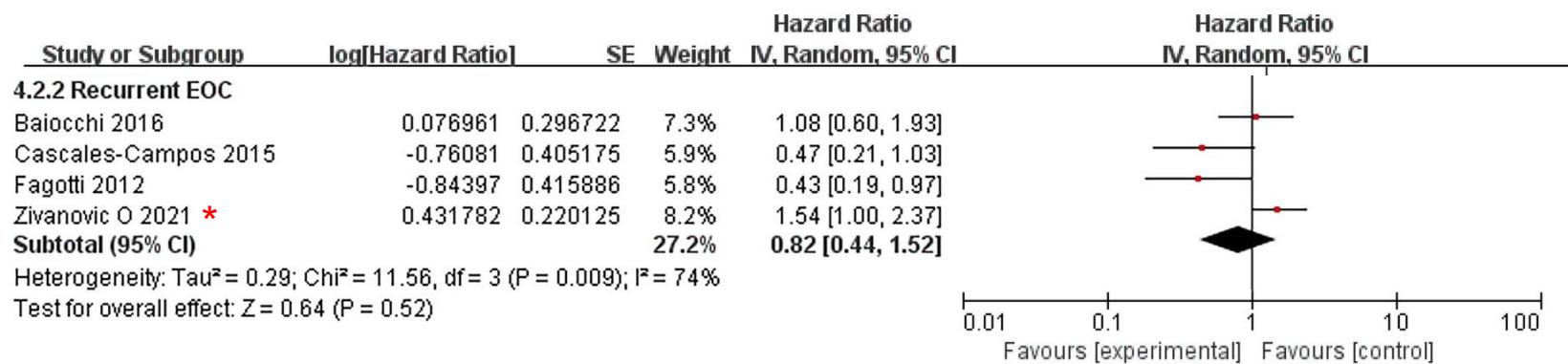


OS

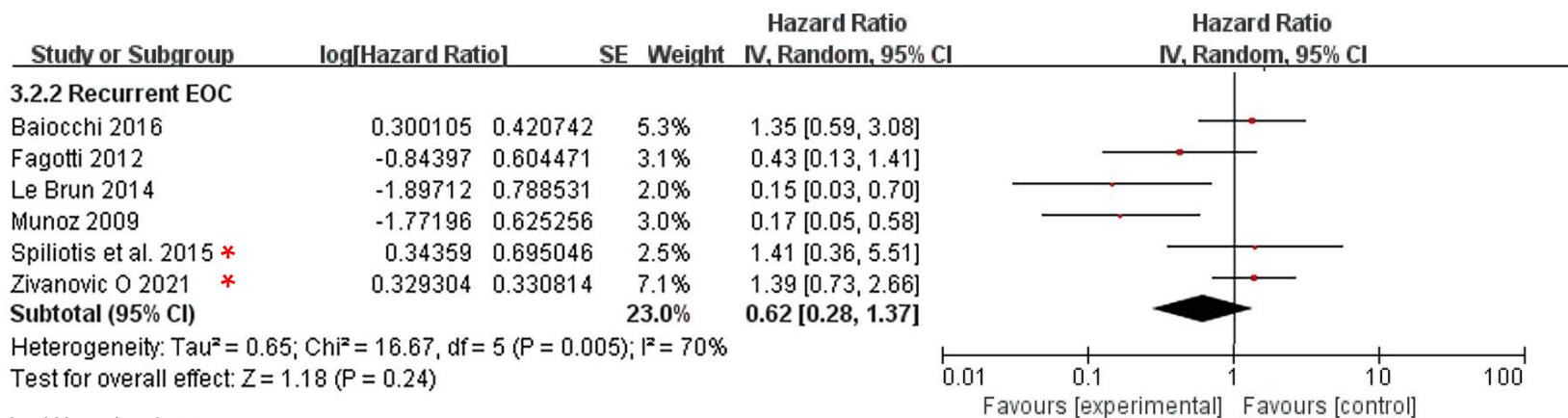


Recurrent EOC

PFS



OS



1st question

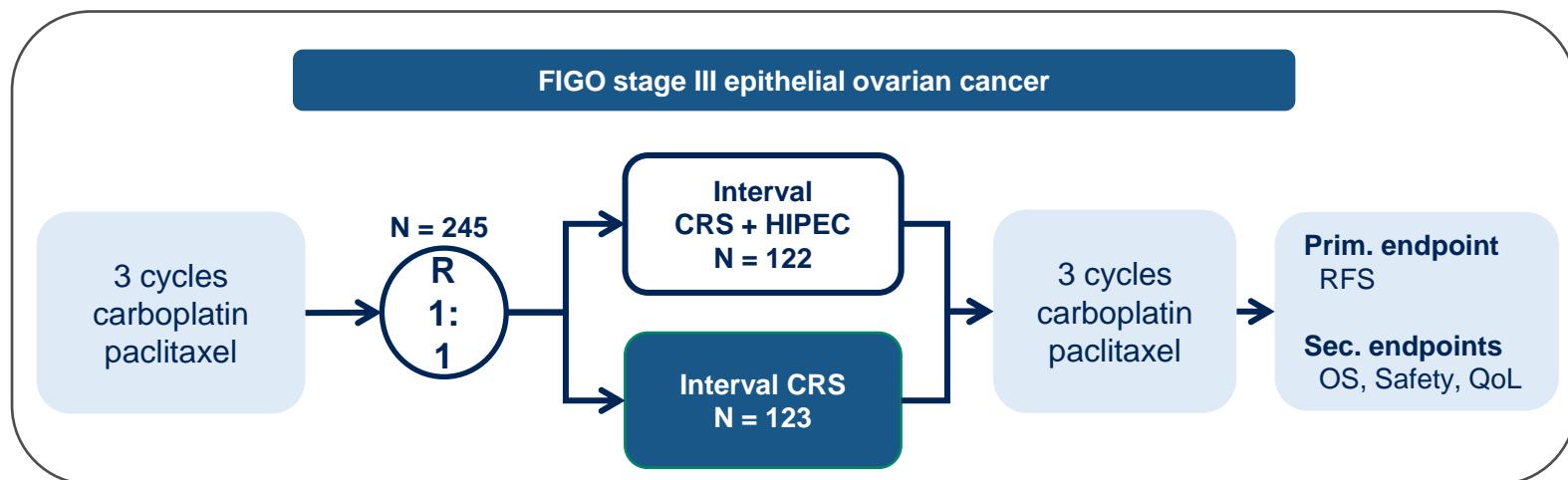
Why the survival benefits were mostly observed in
primary setting?

OVHIPEC-1 Trial

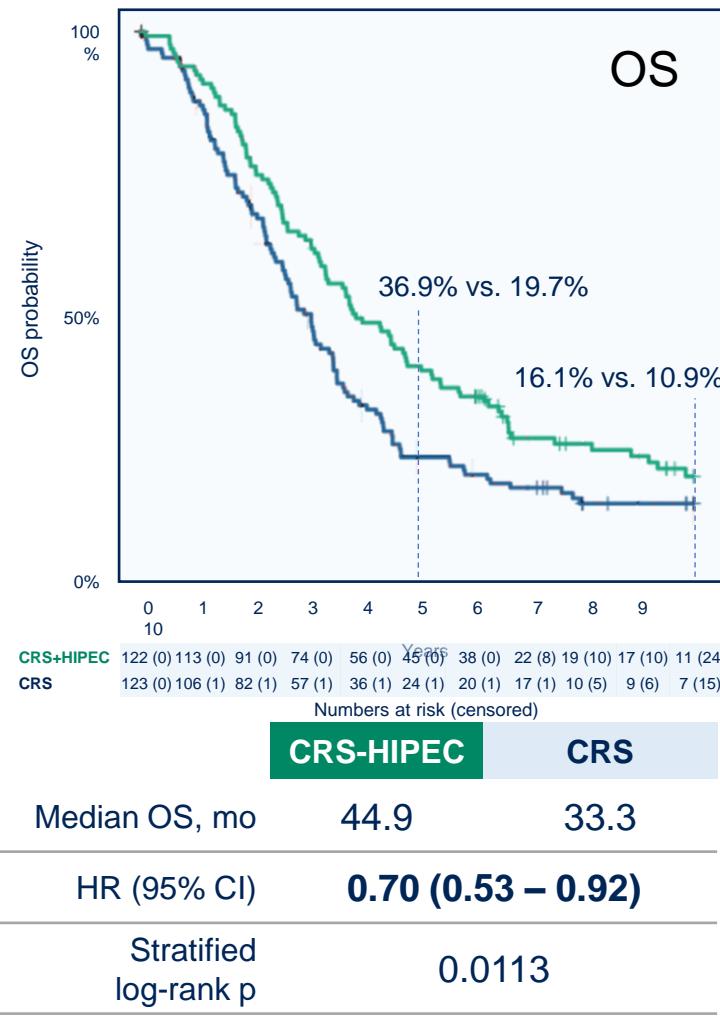
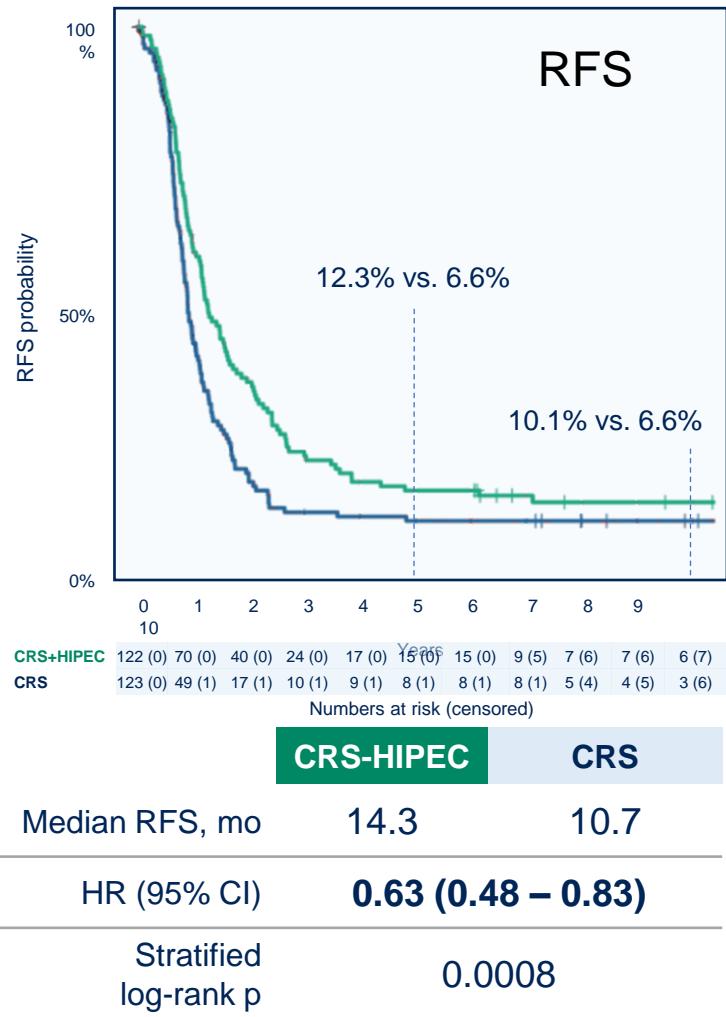
ORIGINAL ARTICLE

Hyperthermic Intraperitoneal Chemotherapy in Ovarian Cancer

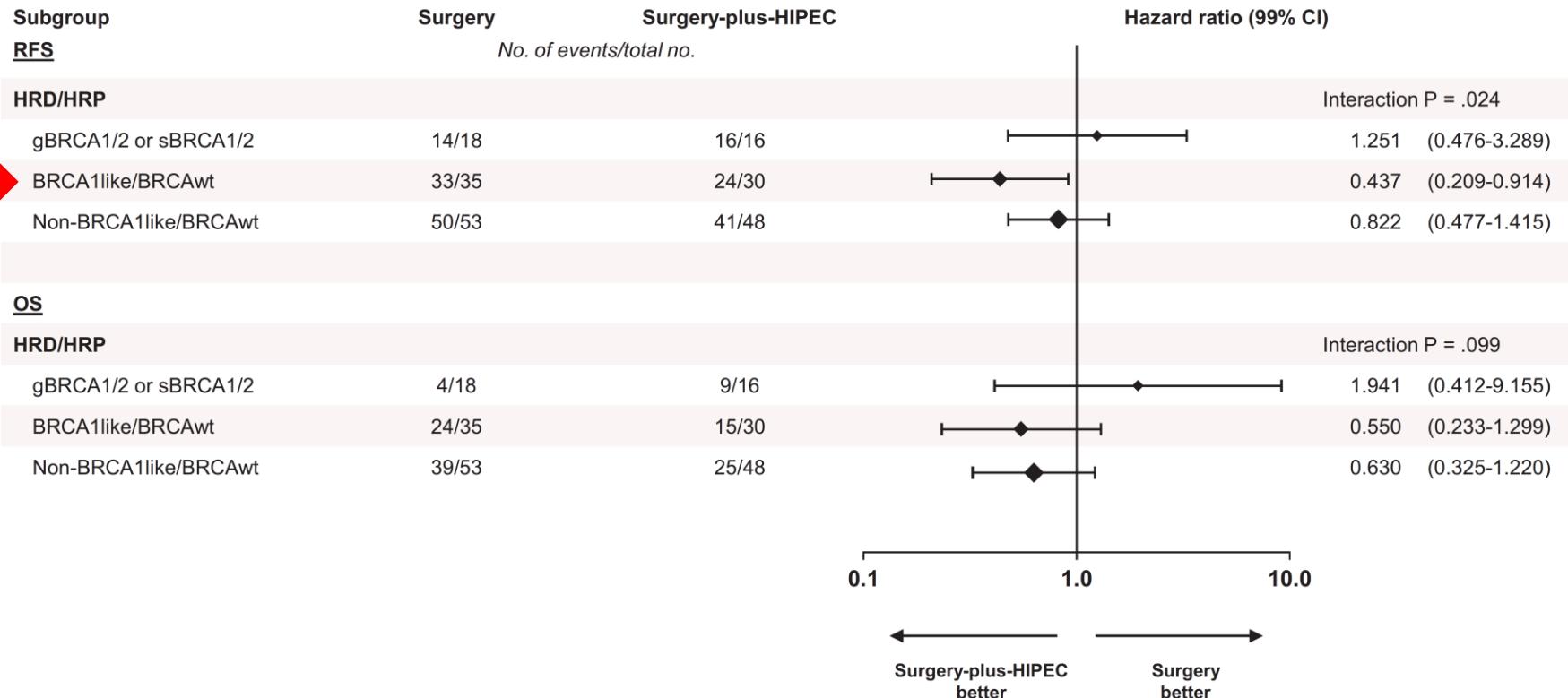
W.J. van Driel, S.N. Koole, K. Sikorska, J.H. Schagen van Leeuwen,
H.W.R. Schreuder, R.H.M. Hermans, I.H.J.T. de Hingh, J. van der Velden,
H.J. Arts, L.F.A.G. Massuger, A.G.J. Aalbers, V.J. Verwaal, J.M. Kieffer,
K.K. Van de Vijver, H. van Tinteren, N.K. Aaronson, and G.S. Sonke



- Accrual between 2007-2016 in 8 centers in the Netherlands and Belgium
- Patients required neo-adjuvant chemotherapy due to extensive disease
- Follow-up visits every 3 months in year 1-2, every 6 months thereafter



OVHIPEC - exploratory



2nd question

Why did survival benefits appear not very promising in patients with *BRCA* mutation?

NCT number	Trial	Setting	Patients	No.	Arms	Primary endpoint
NCT03772028	OVHIPEC-2: Primary Cytoreductive Surgery with or without Hyperthermic Intraperitoneal Chemotherapy	Primary CRS	Stage III EOC, up to 2.5 mm RD	538	1. HIPEC with cDPP 100 mg/m ² at 40–41 °C over 90 min (carbo/taxol +/- bev +/- PARPi)	OS
					2. Primary CRS without HIPEC (carbo/taxol +/- bev +/- PARPi)	
NCT03842982	CHIPPI: Hyperthermic Intraperitoneal Chemotherapy In Ovarian Cancer	Primary or interval CRS	Stage III EOC, < 2.5 mm RD	362	1. HIPEC with cDPP 100 mg/m ² at 40 °C for 90 min subsequent to (NACT) or followed by (primary CRS) 6 cycles of chemo, with additional chemo as per standard of care (+/- targeted) for the NACT group	PFS
					2. Chemo regimens not specified; 6 cycles of NACT chemo to be given before interval CRS (+/- targeted)	
NCT05659381	HOTT: Heated Intraperitoneal Chemotherapy Followed by Niraparib for Ovarian, Primary Peritoneal and Fallopian Tube Cancer (GOG-3068)	Interval CRS	Stage III–IV HGSC or endometrioid ovarian cancer, up to 1 cm RD	230	1. 3–4 cycles NACT with IV carbo AUC 6 and taxol 175 mg/m ² , HIPEC with cDPP 100 mg/m ² at 42 °C for 90 min, followed by 2–3 cycles IV carbo AUC 6 and taxol 175 mg/m ² for max 6 cycles	PFS
					2. 3–4 cycles NACT with IV carbo AUC 6 and taxol 175 mg/m ² , interval CRS followed by 2–3 cycles IV carbo AUC 6 and taxol 175 mg/m ² for max 6 cycles	
					*All patients to receive maintenance niraparib for 36 months or until progression	

3rd question

What is the best endpoint to evaluate the role of HIPEC alone (one-off event) with the use of PARPi +/- bev?