Gefitinib as a first line treatment in advanced non small cell lung cancer: Potential benefit in Asian population























Gefitinib vs. CMT as a 1st line

INTACT 1 & 2 Trial

- * Randomized, controlled phase III trials
- Advanced NSCLC, first-line treatment
- * Identical trial designs in Europe and U.S.
- Randomized 2:1 to gefitinib (250, 500 mg), placebo
 - Cisplatin/gemcitabine ± gefitinib (INTACT 1)
 - Carboplatin/paclitaxel ± gefitinib (INTACT 2)
- Over 1000 pts enrolled in each trial
- * Results:
 - NO DIFFERENCE in OS, TTP, RR

INTACT: Iressa NSCLC Trial Assessing Combination Treatment 1. Giaccone et al, JCO 2004; 22:777-84

Gefitinib vs. BS	C photo	0.0.0	
 ISEL (IRESSA Survive) Aim: Impact on survive) 	vival evaluation in vival of gefitinib (2	n Lung Canc 50 mg/d) vs. I	e r) trial ¹ BSC
	Gefitinib (n=1100)	BSC (n=560)	P Value
Median survival (mo.)	5.6	5.1	0.11
1 yr survival (%)	27	22	
Subgroup analysis: adenoc	arcinoma		
Median survival (mo.)	6.3	5.4	0.07
1 yr survival (%)	31	17	
 Significantly higher RR a Subgroup analysis: longe Never-smokers (P = 0. Asian origin (P = 0.01) 	nd longer TTT failure er survival time 012)		
1. Thatcher N, Chang A, Parikh P, et al.	Lancet. 2005;(366):1527-1537	7	14



	Number of patients	RR (%)	P	PFS (months)	HR [95% CI]	P	OS (months)	HR [95% CI]	Р
NTEREST trial (n	= 1,433) 1								
Sefitinib 250 mg Docetaxel 75 mg/m ²	733 733	9.1 7.6	0.33	2.2 2.7	1.04 [0.93-1.18]	0.47	7.6 8.0	1.020	2
/-15-32 trial (n = 48	(9) 2							50 D.S.	
Sefitinib 250 mg Docetaxel 60 mg/m ²	245 244	22.5	0.009	2.0	0.81	0.77	11.5	1.12	0.33
STANA trial (n = I	61) 3				A				
Sefitinib 250 mg	82	28.1	0.0007	3.3	0.729	0.0441	14.1	0.870	0.437
Docetaxel 60 mg/m ²	79	7.6	0.0007	3.4	[0.533-0.998]**		12.2	[0.613-1.236]	
	conse rate: TTF, tim	e to trest	ment failure; I	HR, hazard ratio;	Cl, confidence intervals	: OS, overall	survival: NR, not	reached; -, data not	availabi

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Table 1. Demographic and Baseline Charac	teristics in the Int	intion to-Treat	Table 1. Demographic and Baseline Cha	racteristics in the Inte	ention-to-Treat
Population.*		and the second	Population.*		
Characteristic	Gefitinib (N = 609)	Carboplatin- Pacštaxel (N = 608)	Characteristic	Gefitinib (N = 609)	Carboplatin PacStaxel (N = 608)
Age — yr			Advocariana	582 (95.4)	591 (97.2)
Median	37	37	Benechcolvector corrinoma	27 (4.4)	15 (2.5)
Farge (File)	20.00	13-01	Unknown	1 (0.7)	2 (0.3)
Sex no. (56)	125 (20.5)	112 (20.0)	Disease stage at entry no. (%)	e (end	. (
Female	484 (29.5)	481 (29.1)	1110	150 (24.6)	144 (23.7)
Ethnic group - no. (%)1		444 (19.4)	IV .	459 (75.4)	463 (76.2)
Chinese	314 (51.6)	304 (50.0)	Unknown	0	1 (0.2)
lapanese	114 (18.7)	119 (19.6)	Time from diagnosis to randomization -	- no. (%)	
Other East Asiant	179 (29.4)	184 (30.3)	<6 mo	582 (15.6)	573 (94.2)
Other	2 (0.3)	1 (0.2)	26 mo	27 (4.4)	34 (5.6)
Smoking history no. (%)			Unknown	0	1 (0.2)
Never smoked	572 (93.8)	569 (93.6)	Disease stage at diagnosis - no. (%) \$		
Former light smoker	37 (6.1)	38 (6.2)	1A.	7 (1.1)	12 (2.0)
Former non-light smoker	1 (0.2)	1 (0.7)	18	2 (0.3)	9 (1.5)
WHO performance status no. (N)§			11A	2 (0.3)	1 (0.2)
0	157 (25.8)	161 (26.5)	118	1 (0.7)	6 (1.0)
1	391 (64.2)	382 (62.8)	IIIA	6 (1.0)	3 (0.5)
2	61 (10.0)	65 (10.7)	1118	166 (27.3)	163 (26.8)
	ALL BALLS	1000000	N/	424 (69.6)	413 (67.9)
			Unknown	1 (0.2)	1 (0.2)





IPASS: QOL
 1151 patients (gefitinib: 590, PC: 561) Better outcome: Total score and TOI improvements LCS improvement was similar for both treatments
 Total score, TOI and LCS EGFR M⁺: Favoured gefitinib EGFR M⁻: Favoured carboplatin/paclitaxel Unknown: QoL improvements were similar overall population
 Time to worsening for FACT-L Overall: Longer with gefitinib vs. PC (median 8.3 vs 2.5 months) EGFR M*: Longer with gefitinib vs. PC (15.6 vs 3.0 months) EGFR M: Similar (median 1.4 months for both arms)

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	- ··	Trial Prior phase CMT	Median	PFS (mo)	p-value (HR 95% Cl)
Trials	phase		Gefitinib	Platinum doublet	
NEJ002 ¹	Ш	No CMT	10.4	5.5	p<0.001
Update2010 ²	ш	No CMT	10.8	5.4	p<0.001
WJTOG3405 ³	Ш	No CMT	9.2	6.3	p<0.0001 (HR 0.489: 0.336-0.710)
IPASS (EGFR M ⁺) ⁴	Ш	No CMT	9.5	6.3	p<0.001 (HR 0.48: 0.36-0.64)
First-SIGNAL (EGFR M+) ⁵	Ш	No CMT	8.4	6.7	p<0.084 (HR 0.613: 0.308-1.221)





