The preliminary efficacy and safety of KN046 plus concurrent chemoradiation therapy in recurrent and metastatic esophageal squamous cell carcinoma

Bing Song Qin¹*, Qi Zhao¹, Dong Yan Liu¹, Jiao Xue¹, Xing Jia Zhu¹ *Corresponding author ¹ Department of Radiation Oncology, The First Affiliated Hospital of Soochow University, Soochow, China

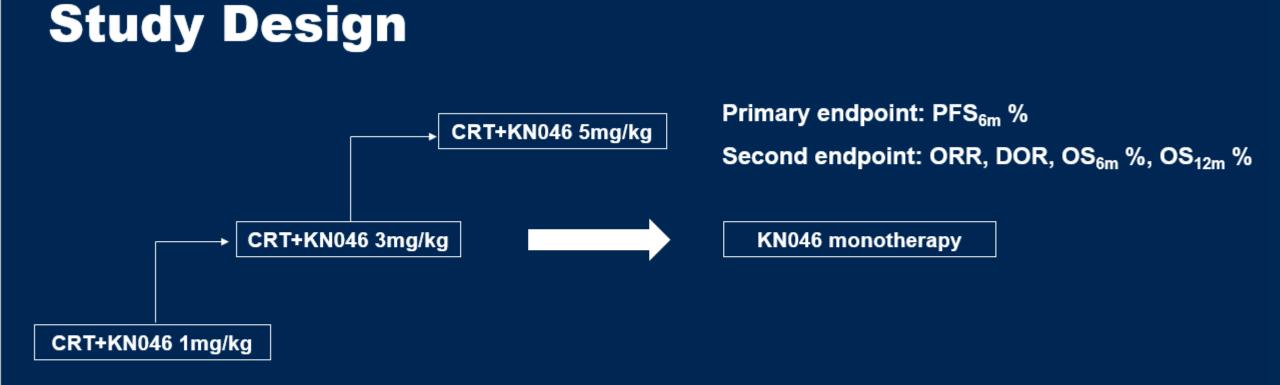
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- Chemotherapy: cisplatin 75mg/m² and paclitaxel 135-175mg/m², D1, 21 days/cycle
- Radiotherapy: dose, frequency and sites are decided by investigators
- KN046: 7-14 days after RT with Q3W and then Q2W maintenance

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Demographics & Baseline characteristics

	1mg/kg (N=3)	3mg/kg (N=11)	5mg/kg (N=4)	ALL (N=18)
Age (years)				
Mean (SD)	67.7 (2.08)	64.5 (7.63)	68.0 (3.74)	65.8 (6.34)
Median (Min, Max)	67.0 (66, 70)	67.0 (52, 75)	67.5 (64, 73)	67.0 (52,75)
Sex				
Male	3 (100.0%)	8 (72.7%)	3 (75.0%)	14 (77.8%)
Female	0	3 (27.3%)	1 (25.0%)	4 (22.2%)
ECOG			. ,	
0	1 (33.3%)	1 (9.1%)	0	2 (11.1%)
1	2 (66.7%)	10 (90.9%)	4 (100.0%)	16 (88.9%)
Clinical Stage	, , ,	, , , , , , , , , , , , , , , , , , ,	, , , , , , , , , , , , , , , , , , ,	, , , , , , , , , , , , , , , , , , ,
	0	2 (18.2%)	0	2 (11.1%)
111	1 (33.3%)	5 (45.5%)	0	6 (33.3%)
IVb	2 (66.7%)	4 (36.4%)	4 (100.0%)	10 (55.6%)
Distant Metastases	, , ,	· · · ·	, , ,	· · · ·
Yes	2 (66.7%)	4 (36.4%)	4 (100%)	10 (55.6%)
Lung	1 (33.3%)	2 (18.2%)	1 (25.0%)	4 (22.2%)
Prior Radiotherapy	· · ·	· · ·	, ,	. ,
Yes	1 (33.3%)	10 (90.9%)	1 (25.0%)	12 (66.7%)
Prior Chemotherapy	· · · ·	, ,	, ,	. /
Yes	1 (33.3%)	9 (81.8%)	2 (50.0%)	12 (66.7%)

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Treatment Overview

	1 <i>mg/kg</i> (N=3)	3mg/kg (N=11)	5mg/kg (N=4)	ALL (N=18)
Radiotherapies (Gy)				
Mean (SD)	108.8 (8.1)	39.1 (14.5)	72.5 (78.5)	58.1 (44.2)
Median (Min, Max)	110.4 (100.0, 116.0)	40.0 (30.0, 80.0)	35.0 (30.0, 190.0)	40.0 (30.0,190.0)
Radiotherapy Site				
Esophagus	0	0	1 (25.0%)	1 (5.6%)
Non-esophagus	0	10 (90.9%)	2 (50.0%)	12 (66.7%)
Both	3 (100%)	1 (9.1%)	1 (25.0%)	5 (27.8%)
Chemotherapies (Cycle	es)			
Mean (SD)	4.7 (1.2)	3.5 (0.7)	3.5 (1.0)	3.7 (0.9)
Median (Min, Max)	4.0 (4,6)	4.0 (2,4)	4.0 (2,4)	4.0 (2,6)
KN046 treatment (weel	ks)			
Mean (SD)	28.7 (12.4)	17.7 (14.9)	11.1 (6.5)	18.1 (13.7)
Median (Min, Max)	33.3 (14.6, 38.1)	11.1 (3.1, 46.1)	12.5 (2.1, 17.4)	13.5 (2.1, 46.1)

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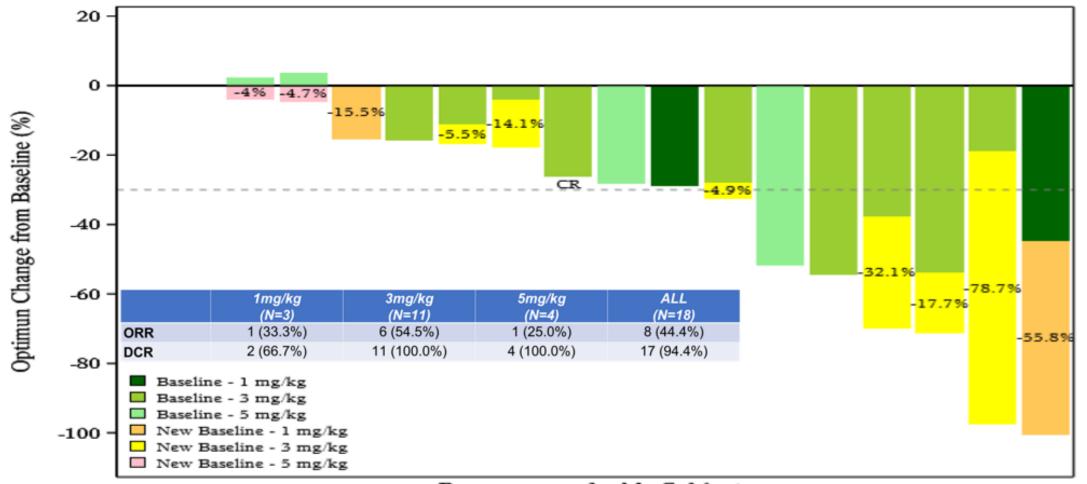
Safety Overview

	ALL
	(N=18)
TEAEs	18 (100.0%)
Related to KN046	6 (33.3%)
≥Gr 3 TEAEs	11 (61.1%)
Related to KN046	3 (16.7%)
irAEs	6 (33.3%)
≥Gr 3 irAEs	3 (16.7%)
SAE	9 (50.0%)
Related to KN046	3 (16.7%)
≥Gr 3 SAEs	9 (50.0%)
Related to KN046	3 (16.7%)
DLT	0
TEAE leading to discontinuation of KN046	4 (22.2%)
TEAE leading to discontinuation of DDP	3 (16.7%)
TEAE leading to discontinuation of Paclitaxel	3 (16.7%)
TEAE leading to dose adjustment of DDP	9 (50.0%)
TEAE leading to dose adjustment of Paclitaxel	8 (44.4%)

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Waterfall plot before & after KN046 treatment



Response-evalueble Subjects

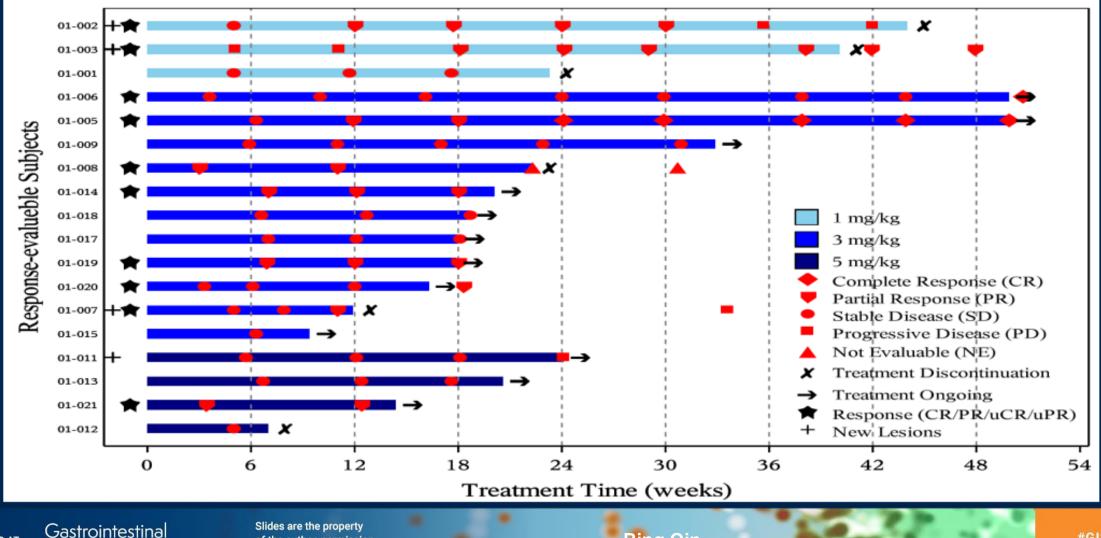
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Swimming lane plot



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Conclusion

- No DLT occurred. The addition of KN046 to CRT was well tolerated.
- Three subjects discontinued KN046 treatment due to irAE pneumonitis (11.1%) and colitis (11.1%).
- Two subjects achieved CR, the promising efficacy signal was <u>observed</u> and the survival results will be validated in the future.



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