

Long-term effectiveness and treatment sequences in patients with extensive stage small cell lung cancer receiving atezolizumab plus chemotherapy: results of the IFCT-1905 CLINATEZO real-world study

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Background

- Small cell lung cancer (SCLC) is a highly aggressive type of lung cancer with a tendency towards early recurrence and limited survival.
- Standard-of-care in 1st-line treatment is platinum-etoposide chemotherapy plus anti-PD-L1 immune checkpoint inhibitor atezolizumab or durvalumab, based on landmark, randomized phase 3 clinical trials

Methods - Objectives

IFCT 1905-CLINATEZO is a nationwide, non-interventional, retrospective chart review study of 518 patients with extensive-stage SCLC who initiated atezolizumab plus chemotherapy as part of the French early access program between May 2019 and January 2020 (out of the 1402 patients who were included in this program).

Conclusions							Multivariate analysis for overall survival										
3 E 1	attributed to the selec patients receiving atez	s study shows the reproducibility, in a real-life setting, of the key survival outcomes of IMpower-133, that may be ributed to the selection of patients fit for this regimen, the adoption of pragmatic approaches for the management of ients receiving atezolizumab, that includes concurrent radiotherapy and treatment beyond progression, and the high oportion of patients treated with 2nd-line therapies, mostly based on chemotherapy.							Factors N			HR	Univariate mo 95% CI	pdel	HR	Multivariate mo 95% CI	pdel
r ,	Baseline characteristics							Age	≤ 65 > 65	241 277	1.00 1.34	- [1.11 - 1.63]	- 0.002	1 1.26	- [1.02 – 1.55]	- 0.03	
	Candar	Mala	NL (0/)	N = 518	DO	0 1		N = 518	PS	0-1	390	1.00	-	-	1	-	-
	Gender	Male	N (%)	343 (66)	Previous treatment Description regardless previous line (up to 4)	0 - 1 2 3 - 4 Unknown Yes Chemo-radiotherapy Chemotherapy (CT) Surgery +/- CT+RT Radiotherapy (RT)	N (%) N (%) N (%) N (%) N (%) N (%) N (%)	390 (75) 37 (7) 11 (2) 80 (16) 55 (11) 32 (58) 13 (24) 13 (24) 11 (20)	Brain metastasis	≥2	48	1.95	[1.42 - 2.68]	< 0.0001	1.88	[1.37 –2.59]	< 0.0001
<i>'</i>	Age Smoker	>65 years	N (%)	277 (53)						No	380	1.00	-	-			
e 0 F	Smoker	Current and past Never	N (%) N (%)	497 (96) 21 (4)						Yes	138	1.07	[0.86 - 1.33]	NS			
	I	Yes	N (%)	26 (5)					Previous treatments	No	463	1.00	-	-			
).	Brain metastasis	Yes	N (%)	138 (27)						Yes	55	0.73	[0.53 – 1,00]	0.05			

rwPFS

- Inclusions were exhaustive per participating centers (65/307). Data collection run from March to November 2021.
- Key objectives were to assess effectiveness and safety of atezolizumab plus chemotherapy and analyze subsequent treatment sequences.

Best response and progression

Median follow-up (n=518): 30.8 months (95% CI, 29.9-31.5 months)

Best response	N=518					
Complete response	19 (3.9% [2.2% - 5.6%])					
Partial response	378 (77.1% [73.4% - 80.9%])					
Objective Response	397 (81.0% [77.5% - 84.5%])					
Stable disease	50 (10.2% [7.5% - 12.9%])					
Disease Control	447 (91.2% [88.7% - 93.7%])					
Progressive disease	43 (8.8% [6.3% - 11.3%])					
Not done/Missing	28					

A total of 430 (83%) patients had shown disease progression. Sites of progression included: brain in 149 (35%) patients, mediastinum in 147 (34%) patients, liver in 97 (23%) patients, bone in 64 (15%) patients.





Event: N (%) Median OS: months [95% CI] 12-m OS: % [95% CI] 24-m OS: % [95% CI]

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1.0 -

0.9 -

0.8 -

0.7

0.6 -



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431 (83.2)

11.3 [10.1-12.4]

46.7 [42.3-50.9]

21.2 [17.7-24.8]

Fundings: IFCT, Roche

Maximal toxicity of atezolizumab										
SOC CTCAE V5.0	All N (%)	Grade 3 N (%)	Grade 4 N (%)	Grade 5 N (%)						
All	101 (19.5)	70 (13.5)	28 (5.4)	3 (0.6)						
Investigations	48 (9.3)	21 (4.1)	25 (4.8)	2 (0.4)						
Blood and lymphatic system disorders	36 (6.9%)	33 (6.4%)	3 (0.6%)	0 (0%)						
Gastrointestinal disorders	10 (1.9%)	9 (1.7%)	1 (0.2%)	0 (0%)						
Skin & subcutaneous tissue disorders	7 (1.4%)	5 (1%)	2 (0.4%)	0 (0%)						
Respiratory disorders	5 (1%)	5 (1%)	0 (0%)	0 (0%)						
Infections and infestations	4 (0.8%)	3 (0.6%)	0 (0%)	1 (0.2%)						
Fatigue	3 (0.6%)	3 (0.6%)	0 (0%)	0 (0%)						
Endocrine disorders	3 (0.6%)	3 (0.6%)	0 (0%)	0 (0%)						
Muskuloskeletal disorders	3 (0.6%)	3 (0.6%)	0 (0%)	0 (0%)						
Cardiac disorders	3 (0.6%)	3 (0.6%)	0 (0%)	0 (0%)						
Nervous system disorders	3 (0.6%)	2 (0.4%)	0 (0%)	1 (0.2%)						
Renal failure		1 (0.2%)								

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