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## ***Imfinzi approved in China for the treatment of unresectable, Stage III non-small cell lung cancer based on the Phase III PACIFIC trial***

***Imfinzi is the only immunotherapy approved in China to treat patients in the curative-intent Stage III setting following chemoradiation treatment***

AstraZeneca today announced that it has received marketing authorisation from China's National Medical Products Administration (NMPA) for *Imfinzi* (durvalumab) for the treatment of patients with unresectable, Stage III non-small cell lung cancer (NSCLC) whose disease has not progressed following concurrent platinum-based chemotherapy and radiation therapy (CRT).

The approval of *Imfinzi* is based on results from the [primary analysis](#) of progression-free survival (PFS) and supported by [overall survival \(OS\)](#) from the Phase III PACIFIC trial, both published in *The New England Journal of Medicine*. A post-hoc analysis of [three-year OS](#) results has since shown that consistent efficacy was maintained for treatment with *Imfinzi* after additional follow up.<sup>1</sup>

Dave Fredrickson, Executive Vice President, Oncology Business Unit said: "This approval illustrates our long-standing commitment to improving health outcomes in China, where more than one-third of the world's lung cancer diagnoses and deaths occur. As the global standard of care in this curative-intent setting, *Imfinzi* is an important new option for patients in China."

Results demonstrated a statistically significant and clinically meaningful OS and PFS benefit for treatment with *Imfinzi* vs. placebo after concurrent CRT. *Imfinzi* reduced the risk of death by 32% (equal to a hazard ratio of 0.68) and prolonged the time patients lived without disease progression or death by more than 11 months (median PFS: 16.8 vs. 5.6 months; hazard ratio of 0.52).

### **Phase III PACIFIC trial primary endpoints**

	<b><i>Imfinzi</i> (n=476)</b>	<b>Placebo (n=237)</b>
<b>OS (primary endpoint)<sup>i</sup></b>		
Number of deaths (%)	183 (38.4%)	116 (48.9%)
Hazard ratio (95% CI) <sup>ii</sup>		0.68 (0.53, 0.87)
p-value <sup>ii,iii</sup>		0.0025
Median in months (95% CI)	NR <sup>iv</sup> (34.7, NR) <sup>iv</sup>	28.7 (22.9, NR) <sup>iv</sup>
<b>PFS (primary endpoint)<sup>v</sup></b>		
Number of events (%)	214 (45%)	157 (66%)
Hazard ratio (95% CI) <sup>ii,vi</sup>		0.52 (0.42, 0.65)
p-value <sup>ii,vii</sup>		<0.0001
Median in months (95% CI)	16.8 (13.0, 18.1)	5.6 (4.6, 7.8)

<sup>i</sup>OS results are based on the interim OS analysis with a data cut-off date of 22 March 2018.

<sup>ii</sup>Stratified by sex, age, and smoking history.

<sup>iii</sup>Criteria for statistical significance at the interim analysis of OS was a p-value  $\leq 0.00274$  (using Lan DeMets spending function approximating O'Brien Fleming boundary).

<sup>iv</sup>Not reached (NR).

<sup>v</sup>Assessed by blinded independent central review (BICR) according to RECIST v1.1.

<sup>vi</sup>PFS results are based on the interim PFS analysis with a data cut-off date of 13 February 2017.

<sup>vii</sup>Criteria for statistical significance at the interim analysis of PFS was a p-value  $\leq 0.011035$  (using Lan DeMets spending function approximating O'Brien Fleming boundary).

Among patients treated with *Imfinzi*, the most common adverse reactions (greater than or equal to 20% of patients) were cough, fatigue, pneumonitis or radiation pneumonitis, upper respiratory tract infections, dyspnoea, and rash. Serious adverse reactions occurred in 29% of patients treated with *Imfinzi*, and 15% of patients discontinued treatment due to adverse reactions.

*Imfinzi* is approved in the curative-intent setting of unresectable, Stage III NSCLC after CRT in 54 countries and regions, including the US, Japan and across the EU, based on the Phase III PACIFIC trial. The PACIFIC regimen, CRT followed by *Imfinzi*, is the global standard of care for the treatment of unresectable Stage III NSCLC.

### **About PACIFIC**

The PACIFIC trial was a Phase III, randomised, double-blinded, placebo-controlled, multi-centre trial of *Imfinzi* as treatment in 'all-comer' patients (i.e. regardless of PD-L1 status) with unresectable, Stage III (locally advanced) NSCLC whose disease had not progressed following concurrent platinum-based CRT.

The trial was conducted at 235 centres across 26 countries involving 713 patients. The primary endpoints of the trial were PFS and OS, and secondary endpoints included landmark PFS and OS, objective response rate, and duration of response.

### **About Stage III NSCLC**

Stage III (locally advanced) NSCLC is commonly divided into three sub-categories (IIIA, IIIB and IIIC), defined by how much the cancer has spread locally and the possibility of surgery.<sup>2</sup> Stage III disease is different from Stage IV disease, when the cancer has spread throughout the body (metastasised), as the majority of Stage III patients are currently treated with curative intent.<sup>2,3</sup>

Stage III NSCLC represents approximately one-third of NSCLC incidence and in 2015 was estimated to affect nearly 200,000 patients in the following eight key countries: China, France, Germany, Italy, Japan, Spain, UK, US.<sup>4,5</sup> The majority of Stage III NSCLC patients are diagnosed with unresectable tumours.<sup>6</sup> Prior to approval of *Imfinzi* in this setting, no new treatments beyond CRT had been available to patients for decades.<sup>7-10</sup>

### **About *Imfinzi***

*Imfinzi* (durvalumab) is a human monoclonal antibody that binds to PD-L1 and blocks the interaction of PD-L1 with PD-1 and CD80, countering the tumour's immune-evasive tactics and releasing the inhibition of immune responses.

*Imfinzi* is also approved for previously treated patients with advanced bladder cancer in 11 countries, including the US.

As part of a broad development programme, *Imfinzi* is also being tested as a monotherapy and in combination with tremelimumab, an anti-CTLA4 monoclonal antibody and potential new medicine, as a treatment for patients with NSCLC, small cell lung cancer, bladder cancer, head and neck cancer, liver cancer, biliary tract cancer, cervical cancer and other solid tumours.

### **About AstraZeneca in lung cancer**

AstraZeneca has a comprehensive portfolio of approved and potential new medicines in late-stage clinical development for the treatment of different forms of lung cancer spanning several stages of disease, lines of therapy and modes of action. We aim to address the unmet needs

of patients with EGFR-mutated tumours as a genetic driver of disease, which occur in 10-15% of NSCLC patients in the US and EU and 30-40% of NSCLC patients in Asia, with our approved medicines *Iressa* (gefitinib) and *Tagrisso* (osimertinib), and ongoing Phase III trials ADAURA, LAURA, and FLAURA2 as well as the Phase II combination trials SAVANNAH and ORCHARD.<sup>11-13</sup>

Our extensive late-stage Immuno-Oncology programme focuses on lung cancer patients without a targetable genetic mutation which represents approximately three-quarters of all patients with lung cancer.<sup>14</sup> *Imfinzi*, an anti-PDL1 antibody, is in development for patients with advanced disease (Phase III trials POSEIDON, PEARL, and CASPIAN) and for patients in earlier stages of disease including potentially-curative settings (Phase III trials AEGEAN, ADJUVANT BR.31, PACIFIC-2, PACIFIC-4, PACIFIC-5, and ADRIATIC) both as monotherapy and in combination with tremelimumab and/or chemotherapy.

### **About AstraZeneca's approach to Immuno-Oncology (IO)**

Immuno-oncology (IO) is a therapeutic approach designed to stimulate the body's immune system to attack tumours. The Company's IO portfolio is anchored by immunotherapies that have been designed to overcome anti-tumour immune suppression. AstraZeneca believes that IO-based therapies offer the potential for life-changing cancer treatments for the clear majority of patients.

The Company is pursuing a comprehensive clinical-trial programme that includes *Imfinzi* as a monotherapy and in combination with tremelimumab in multiple tumour types, stages of disease, and lines of therapy, using the PD-L1 biomarker as a decision-making tool to define the best potential treatment path for a patient. In addition, the ability to combine our IO portfolio with radiation, chemotherapy, small targeted molecules from across AstraZeneca's Oncology pipeline, and from research partners, may provide new treatment options across a broad range of tumours.

### **About AstraZeneca in Oncology**

AstraZeneca has a deep-rooted heritage in oncology and offers a quickly growing portfolio of new medicines that has the potential to transform patients' lives and the Company's future. With at least six new medicines to be launched between 2014 and 2020, and a broad pipeline of small molecules and biologics in development, the Company is committed to advance oncology as a key growth driver for AstraZeneca focused on lung, ovarian, breast and blood cancers. In addition to AstraZeneca's main capabilities, the Company is actively pursuing innovative partnerships and investments that accelerate the delivery of our strategy, as illustrated by the investment in Acerta Pharma in haematology.

By harnessing the power of four scientific platforms - Immuno-Oncology, Tumour Drivers and Resistance, DNA Damage Response and Antibody Drug Conjugates - and by championing the development of personalised combinations, AstraZeneca has the vision to redefine cancer treatment and one day eliminate cancer as a cause of death.

### **About AstraZeneca**

AstraZeneca (LSE/STO/NYSE: AZN) is a global, science-led biopharmaceutical company that focuses on the discovery, development and commercialisation of prescription medicines, primarily for the treatment of diseases in three therapy areas - Oncology, Cardiovascular, Renal and Metabolism, and Respiratory. AstraZeneca operates in over 100 countries and its innovative medicines are used by millions of patients worldwide. Please visit [astrazeneca.com](http://astrazeneca.com) and follow the Company on Twitter [@AstraZeneca](https://twitter.com/AstraZeneca).

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