

Table S1 List of participating centers

Department name, center name	Location (city, country)
Department of Thoracic Oncology, National Cancer Center Hospital East	Chiba, Japan
Department of Respiratory Medicine, Center for Respiratory Diseases, JCHO Hokkaido Hospital	Sapporo, Japan
Department of Thoracic Oncology, Kinki-Chuo Chest Medical Center	Sakai, Japan
Department of Respiratory Medicine, Juntendo University Faculty of Medicine	Tokyo, Japan
Department of Respiratory Medicine and Infectious Diseases, Niigata University Graduate School of Medical and Dental Sciences	Niigata, Japan
Department of Respiratory Medicine, Yokohama Municipal Citizen's Hospital	Yokohama, Japan
Department of Thoracic Oncology, Shikoku Cancer Center	Matsuyama, Japan
Respiratory Center, Matsusaka Municipal Hospital	Matsusaka, Japan
Second Department of Surgery, University of Occupational and Environmental Health	Kitakyushu, Japan
Department of Respiratory Medicine, Allergy and Clinical Immunology, Nagoya City University Graduate School of Medical Science	Nagoya, Japan
Department of Respiratory Medicine and Clinical Immunology, Osaka University Graduate School of Medicine	Osaka, Japan
Department of Thoracic Oncology, Hyogo Cancer Center	Akashi, Japan
Department of Respiratory Medicine, Osaka Police Hospital	Osaka, Japan
Department of Thoracic Oncology, National Hospital Organization Toneyama National Hospital	Toyonaka, Japan
Department of Respiratory Medicine, Kurashiki Central Hospital	Kurashiki, Japan
Respiratory Center, Asahikawa Medical University	Asahikawa, Japan
Department of Thoracic Oncology, Kanagawa Cancer Center	Yokohama, Japan
Division of Medical Oncology, Department of Medicine, Showa University School of Medicine	Tokyo, Japan
Department of Respiratory Medicine, National Hospital Organization Hirosaki Hospital	Hirosaki, Japan
Department of Respiratory Medicine, Kanagawa Cardiovascular and Respiratory Center	Yokohama, Japan
Center for Pulmonary Diseases, National Hospital Organization Tokyo National Hospital	Tokyo, Japan
Division of Respirology, Chiba Cancer Center	Chiba, Japan
Department of Pulmonary Medicine, Graduate School of Medical and Dental Sciences, Kagoshima University	Kagoshima, Japan
Department of Pulmonary Medicine, Sendai Kousei Hospital	Sendai, Japan
Department of Respiratory Medicine, Nagasaki Prefecture Shimabara Hospital	Shimabara, Japan
Department of Respiratory Medicine, Miyagi Cancer Center	Natori, Japan
Department of Pulmonary Medicine, National Hospital Organization Matsue Medical Center	Matsue, Japan
Department of Respiratory Medicine, National Hospital Organization Kyushu Medical Center	Fukuoka, Japan
Department of Pulmonary Medicine, Fukushima Medical University Hospital	Fukushima, Japan
Department of Respiratory Medicine, Kobe Red Cross Hospital	Kobe, Japan
Internal Medicine I, Hokkaido University Hospital	Sapporo, Japan
Division of Pulmonary Medicine, Jichi Medical University Hospital	Shimotsuke, Japan
Department of Respiratory Medicine and Allergy, Tosei, Tosei General Hospital	Tokyo, Japan
Department of Pulmonary Medicine, National Hospital Organization Kanazawa Medical Center	Kanazawa, Japan

Table S1 (continued)

Table S1 (continued)

Department name, center name	Location (city, country)
Division of Pulmonary Medicine, Allergy and Rheumatology, Iwate Medical University Hospital	Morioka, Japan
Division of Respiratory and Infectious Diseases, St Marianna University School of Medicine	Kawasaki, Japan
Department of Thoracic Oncology, Aichi Cancer Center Hospital	Nagoya, Japan
Department of Respiratory Medicine, Japanese Red Cross Nagoya Daiichi Hospital	Nagoya, Japan
Division of Respiratory Medicine, University of Fukui Hospital	Fukui, Japan
Department of Respiratory Medicine, Matsunami General Hospital	Gifu, Japan
Department of Medical Oncology, National Hospital Organization Yamaguchi-Ube Medical Center	Ube, Japan
Respiratory Medicine Section, Fukuji Hospital, Japan Anti-Tuberculosis Association	Kiyose, Japan
Department of Respiratory Medicine, National Hospital Organization Iwakuni Clinical Center	Iwakuni, Japan
Center of Respiratory Medicine, Matsuyama Red Cross Hospital	Matsuyama, Japan
Department of Thoracic Surgery, National Hospital Organization Kyushu Medical Center	Fukuoka, Japan
Division of Respiratory Medicine, National Center for Global Health and Medicine	Tokyo, Japan
Department of Medical Oncology, Hokkaido University Hospital	Sapporo, Japan
Department of Thoracic Oncology, Saitama Cancer Center	Saitama, Japan
Department of Respiratory Medicine, Kitasato University Hospital	Sagamihara, Japan
Department of Respiratory Medicine, Saitama Cardiovascular and Respiratory Center	Kumagaya, Japan
Department of Respiratory Medicine, Otemae Hospital	Osaka, Japan
Department of Respiratory Medicine, Kyoto Katsura Hospital	Kyoto, Japan
Department of Respiratory Medicine, Tohoku University Hospital	Sendai, Japan
Department of Allergy and Respiratory Medicine, Okayama University Hospital	Okayama, Japan
Department of Internal Medicine, Niigata Cancer Center Hospital	Niigata, Japan

Table S2 Post-protocol treatment regimens used in $\geq 5\%$ of patients

Regimen, n (%)	CisPemBev, N=131	CarPacBev, N=66
2 nd line	101 (77)	51 (77)
3 rd line	60 (46)	33 (50)
4 th line	29 (22)	18 (27)
Cisplatin/carboplatin	16 (12)	11 (17)
Docetaxel	59 (45)	23 (35)
Pemetrexed	10 (8)	40 (61)
Paclitaxel/nab-paclitaxel	21 (16)	1 (2)
S-1	25 (19)	6 (9)
Bevacizumab	7 (5)	7 (11)
Ramucirumab	27 (21)	13 (20)
Nivolumab/pembrolizumab	64 (49)	31 (47)

CarPacBev, carboplatin + paclitaxel + bevacizumab; CisPemBev, cisplatin + pemetrexed + bevacizumab.