**Appendix 1. Grade of Radiation Pneumonitis**

Radiation pneumonitis (RP) was used in the definition of the dose limiting toxicity in this study so that RP should be evaluated precisely. The grade of the cough and dyspnea of the enrolled patients was expected to be grade 0 or 1, and we employed the rule of judgement of RP as shown in the following tables, depending on the grade of cough and dyspnea at the pretreatment evaluation.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Appendix 1-1. Grade of Radiation Pneumonitis when the grade of both cough and dyspnea was 0 at the pretreatment evaluation** | | | | |
| **Grade of RP** | Grade of  Fever | Grade of Cough | Grade of Dyspea | Grade of Hypoxia |
| **4** | Any | Any | 4 | Any |
| Any | Any | Any | 4 |
| **3** | ≥ 1 | Any | Any | any |
| Any | 3 | Any | any |
| Any | Any | 3 | Any |
| Any | Any | Any | 2-3 |
| **2** | 0 | 2 | 2 | 0 |
| 0 | 2 | 1 | 0 |
| 0 | 2 | 0 | 0 |
| 0 | 1 | 2 | 0 |
| 0 | 1 | 1 | 0 |
| 0 | 1 | 0 | 0 |
| 0 | 0 | 2 | 0 |
| 0 | 0 | 1 | 0 |
| **1** | 0 | 0 | 0 | 0 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Appendix 1-2. Grade of Radiation Pneumonitis when the grade of cough or dyspnea was 1 at the pretreatment evaluation** | | | | |
| **Grade of RP** | Grade of  Fever | Grade of Cough | Grade of Dyspea | Grade of Hypoxia |
| **4** | Any | Any | 4 | Any |
| Any | Any | Any | 4 |
| **3** | ≥ 1 | Any | Any | any |
| Any | 3 | Any | any |
| Any | Any | 3 | Any |
| Any | Any | Any | 2-3 |
| **2** | 0 | 2 | 2 | 0 |
| 0 | 2 | 1 | 0 |
| 0 | 2 | 0 | 0 |
| 0 | 1 | 2 | 0 |
| 0 | 0 | 2 | 0 |
| **1** | 0 | 1 | 1 | 0 |
| 0 | 1 | 0 | 0 |
| 0 | 0 | 1 | 0 |
| 0 | 0 | 0 | 0 |