**Supplementary Digital Content**

**Supplementary Table 1: Countries and participating centers**

|  |  |  |  |
| --- | --- | --- | --- |
| **Country** | **Participating site** | **Site investigators** | **Study team members** |
| China | Beijing Children’s Hospital Capital Medical University | Suyun Qian | Ke Chun Li |
| China | Children's Hospital of Chongqing Medical University | Xu Feng | Hong Xing Dang |
| Malaysia | Sarawak General Hospital | Yek Kee Chor | Henrietta Albela  Muhammad Asyraf bin Mohamad Nor  Louise Ngu  Wong Lee Ching |
| Malaysia | Universiti Malaysia Medical Centre | Chin Seng Gan | Soo Lin Chuah |
| Singapore | KK Women’s and Children’s Hospital | Judith Ju-Ming Wong  Jan Hau Lee | Tsee Foong Loh  Rehena Sultana |
| Singapore | Khoo Teck Puat-National University Children's Medical Institute, National University Hospital | Jacqueline Soo May Ong | Li Jia Fan |
| Thailand | Siriraj Hospital Mahidol University | Suwannee Phumeetham |  |
| Thailand | King Chulalongkorn Memorial Hospital | Rujipat Samransamruajkit |  |
| Thailand | Ramathibodi hospital | Nattachai Anantasit |  |
| Vietnam | The National Children’s Hospital | Phan Huu Phuc |  |

**Supplementary Figure 1: CONSORT diagram**

**Supplementary Figure 2: Distribution of (a) partial pressure of arterial oxygen, (b) pH, (c) partial pressure of arterial carbon dioxide and (d) oxygen saturation throughout the first seven days of pediatric acute respiratory distress syndrome.**