**Supplementary Table 3**: Equation used for conversion of PaO2 to SPO2 and deriving SPO2 from PaO2.

|  |  |  |
| --- | --- | --- |
| **SpO2 (On monitor)** | **Calculation for PaO2** | **Resultant PaO2 range** |
| 100% - 90% | Decrease PaO2 by 4mmHg for every single percent reduction in SpO2 | 100 - 60 mmHg |
| 90% - 80% | Decrease PaO2 by 1.5mmHg for every single percent reduction in SpO2 | 60 - 45 mmHg |
| <80% | Divide SpO2 by 2 to reach to a PaO2 level  | 40 mmHg and downward |
| Adapted from “Correlation between the levels of SpO2 and Pa O2” by A. Madan 2017 Lung India, 34(3), p.307-308 copyright by Lung India.21  |