

Correlation between Altitude, Air Pressure and Oxygen Content*

| | | | | |
|-----------------------------------|------|-------|--------|--------|
| Altitude (m) | 0 | 2.000 | 4.000 | 8848 |
| ft | 0 | 6.562 | 13.123 | 29.029 |
| Air pressure | | | | |
| kPa | 101 | 79,3 | 61,4 | 33,4 |
| mmHg | 760 | 596 | 462 | 251 |
| PaO ₂ | | | | |
| kPa | 12,3 | 8,4 | 6,6 | 4,0 |
| mmHg | 95 | 63 | 50 | 30 |
| SaO ₂ (%) (approx.) | 97 | 91 | 84 | <50% |

* The table above was modified from:

Fischer R, Lang SM, Bruckner K, Hoyer HX, Meyer S, Griese M, and Huber RM. Lung function in adults with cystic fibrosis at altitude: impact on air travel. *Eur. Respir. J.* 2005; 25: 718-724.

Fischer R. High altitude and pulmonary diseases. *Deutsche Zeitschrift für Sportmedizin* 2000; 51: 412-417.