Supplementary 4. Formulas to calculate the costs per OR

In this analysis the formulas used to calculate the OR costs for both the hybrid and conventional OR were as follows:

Costs of the OR per hour =

 $\frac{Annual\ construction\ costs + annual\ inventory\ costs + annual\ overhead\ costs}{Utilization\ rate* available\ production\ hours\ of\ OR}$

 $+hourly\ personnel\ costs$

Costs of the OR per minute =

 $\frac{\textit{Costs of the OR per hour}}{60}$