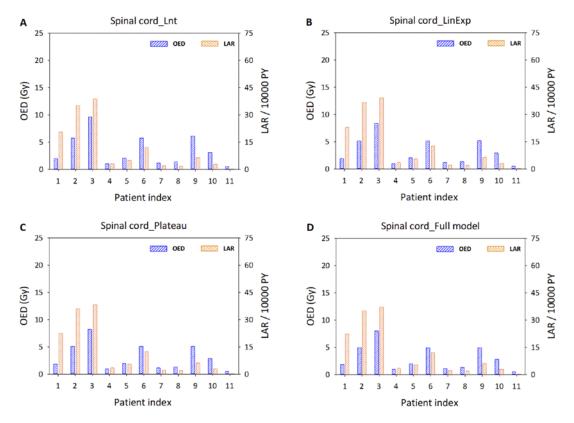
Radiation-induced Secondary Cancer Risk Assessment in Patients with Lung Cancer after Stereotactic Body Radiotherapy using the CyberKnife M6 System with Lung-optimized Treatment

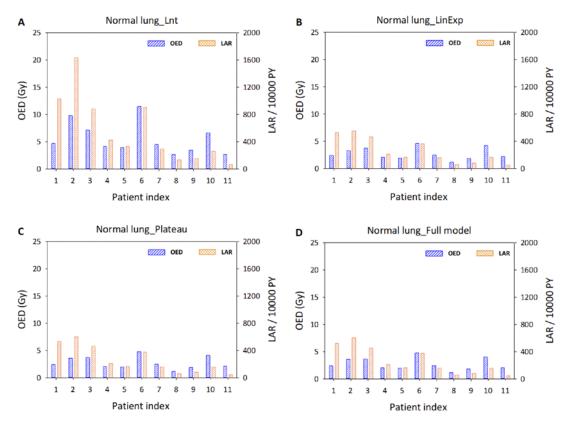
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**Supplementary Figures** 



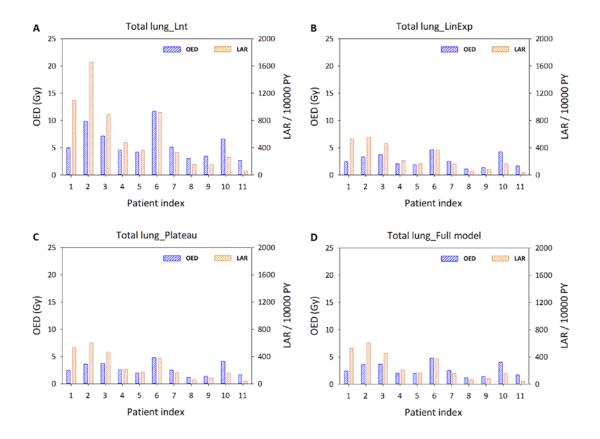
**Supplementary Figure S1.** OED/LAR of spinal cord for 11 patients using corresponding dose-response models **(A)** Lnt, **(B)** LinExp, **(C)** Plateau, **(D)** Full;

**Abbreviations:** Lnt, Linear-no-threshold dose response model; LinExp, Linear-exponential dose response model; Plateau, Plateau dose response model; Full, Schneider parameterization doseresponse model; OED, Organ equivalent dose; LAR, Lifetime attributable risk; PTV, Planning target volume.



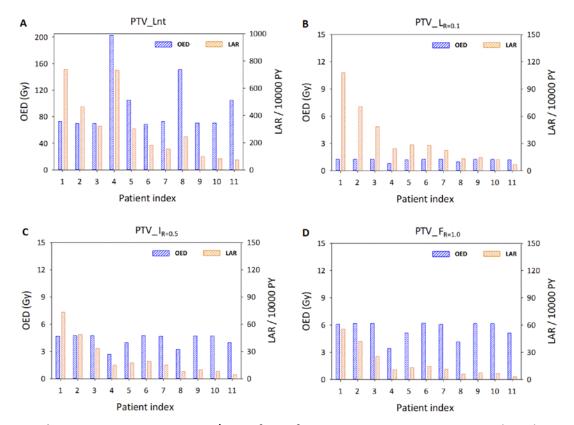
**Supplementary Figure S2.** OED/LAR of normal lung for 11 patients using corresponding dose-response models (A) Lnt, (B) LinExp, (C) Plateau, (D) Full;

**Abbreviations:** Lnt, Linear-no-threshold dose response model; LinExp, Linear-exponential dose response model; Plateau, Plateau dose response model; Full, Schneider parameterization doseresponse model; OED, Organ equivalent dose; LAR, Lifetime attributable risk; PTV, Planning target volume.



**Supplementary Figure S3.** OED/LAR of total lung for 11 patients using corresponding dose-response models **(A)** Lnt, **(B)** LinExp, **(C)** Plateau, **(D)** Full;

**Abbreviations:** Lnt, Linear-no-threshold dose response model; LinExp, Linear-exponential dose response model; Plateau, Plateau dose response model; Full, Schneider parameterization doseresponse model; OED, Organ equivalent dose; LAR, Lifetime attributable risk; PTV, Planning target volume.



**Supplementary Figure S4.** OED/LAR of PTV for 11 patients using corresponding doseresponse models **(A)** Lnt, **(B)** Low repopulation  $(L_{R=0.1})$  R = 0.1, **(C)** Intermediate repopulation  $(I_{R=0.5})$  R = 0.5, **(D)** Full tissue recovery models  $(F_{R=1.0})$  R = 1.0;

**Abbreviations:** Lnt, Linear-no-threshold dose response model; Full, Schneider parameterization dose-response model; Low repopulation ( $L_{R=0.1}$ ) R = 0.1, Intermediate repopulation ( $I_{R=0.5}$ ) R = 0.5, Full tissue recovery models ( $F_{R=1.0}$ ) R = 1.0; OED, Organ equivalent dose; LAR, Lifetime attributable risk; PTV, Planning target volume.