

高線量率小線源治療用 個人線量管理シート

本シートは、煩雑な高線量率小線源治療（HDR-BT）のEQD₂換算（2 Gy 分割等価線量換算）と合算評価を安全かつ簡便に実施することを目的に開発しています。使用に当たっては、下記規約等をお読みいただき、ユーザー登録をして頂く必要がございます。

<シートの特徴>

- ・誰もが容易に利用・管理できるよう Microsoft Excel を使用
- ・患者データベース機能
 - ・各種患者情報、治療内容をもとに検索が可能
 - ・患者一覧から各患者個別のEQD₂合算線量シートにアクセス可能
- ・患者個別のEQD₂線量管理機能
 - ・外部照射線量及び毎回のBT線量入力で、自動的にEQD₂線量合算可能
 - ・任意の線量制約値を設定でき、超過時にはアラート表示
 - ・累積線量から毎回の小線源治療における目標物理線量（TPS 表示線量）を算出可能

<ユーザー登録>

- ・利用規約 ; <https://onl.bz/p9PkQUK>
- ・ユーザー登録プライバシーポリシー ; <https://onl.bz/a49ybCR>
- ・ユーザー登録 : <https://form.run/@tachiba-92dQQqWPn80QXq2o2sPb>

(使用例)

RALIS Dose Calculation Sheet for Individual Patient										Enter the FR number you want to enter in HIS		Display information to be entered in HIS		Cell Information			
Patient Name: 患者1 Patient ID: 000000001 Site: 子宮頸部 Purpose: 根治 Technique: 腔内 Pathology: 扁平上皮癌 Applier: T&O フレッチャー Spacer: なし Dr. in charge: aaa										1				Must Input @ 1st fr: <input type="checkbox"/> Must Input @ every fr: <input type="checkbox"/> Automatic Cal: <input type="checkbox"/> Must Check @ every fr: <input type="checkbox"/>			
External Irradiation: EBR2 WP (3000.0 cGy), EBR2 CS (2000.0 cGy) Total Dose (cGy): 3000.0, 2000.0 Dose / Fr (cGy): 200.0, 200.0 Num of Fr: 15, 10 EQD2 for CTV _{int} (cGy): 3000.0, 2000.0 EQD2 for Rectum (cGy): 3000.0, 2000.0 EQD2 for Bladder (cGy): 3000.0, 2000.0 EQD2 for Sigmoid, Small (cGy): 3000.0, 2000.0 CS dose contribution (%): 100.0, 100.0, 100.0										23/01/01		23/02/01		Dets: a / # (Gy) 10 3 Constraints: Rectum (Goal: 8500, Tolerance: 7500), Bladder (Goal: 8000, Tolerance: 8500), Sigmoid (Goal: 6500, Tolerance: 7500), Small Bowel (Goal: 6000, Tolerance: 7000)			
Number of Fraction										Total		Remaining Dose until		Total treatment period			
Treatment Day										6		Goal		Treatment start date: 2023/01/01 Last RALIS date: 2023/01/06 Treatment end date: 2023/01/06 Total Treatment Period (Weeks): 3/0 Total Treatment Period (Days): 5/8			
Plan Name										6		-		Total treatment period: 2023/01/01 - 2023/01/06 Total Treatment Period (Weeks): 3/0 Total Treatment Period (Days): 5/8			
Oncologist										-		-		Total treatment period: 2023/01/01 - 2023/01/06 Total Treatment Period (Weeks): 3/0 Total Treatment Period (Days): 5/8			
Prescribed Dose (cGy)										3600.0		-		Total treatment period: 2023/01/01 - 2023/01/06 Total Treatment Period (Weeks): 3/0 Total Treatment Period (Days): 5/8			
Volume of CTV _{int} (cc)										Ave. 40.0		-		Total treatment period: 2023/01/01 - 2023/01/06 Total Treatment Period (Weeks): 3/0 Total Treatment Period (Days): 5/8			
Volume of Body (cc)										Ave. 100.0		-		Total treatment period: 2023/01/01 - 2023/01/06 Total Treatment Period (Weeks): 3/0 Total Treatment Period (Days): 5/8			
Physical dose (cGy)										2497.5		2721.2		Total treatment period: 2023/01/01 - 2023/01/06 Total Treatment Period (Weeks): 3/0 Total Treatment Period (Days): 5/8			
Rectum D ₁₀₀ (cGy)										327.0		492.7		Total treatment period: 2023/01/01 - 2023/01/06 Total Treatment Period (Weeks): 3/0 Total Treatment Period (Days): 5/8			
Bladder D ₁₀₀ (cGy)										370.0		483.6		Total treatment period: 2023/01/01 - 2023/01/06 Total Treatment Period (Weeks): 3/0 Total Treatment Period (Days): 5/8			
Sigmoid D ₁₀₀ (cGy)										445.0		422.0		Total treatment period: 2023/01/01 - 2023/01/06 Total Treatment Period (Weeks): 3/0 Total Treatment Period (Days): 5/8			
Small Bowel D ₁₀₀ (cGy)										310.0		304.1		Total treatment period: 2023/01/01 - 2023/01/06 Total Treatment Period (Weeks): 3/0 Total Treatment Period (Days): 5/8			
CTV _{int} D ₁₀₀ (cGy)										640.0		626.8		Total treatment period: 2023/01/01 - 2023/01/06 Total Treatment Period (Weeks): 3/0 Total Treatment Period (Days): 5/8			
CTV _{int} V ₁₀₀ (%)										93.7		92.4		Total treatment period: 2023/01/01 - 2023/01/06 Total Treatment Period (Weeks): 3/0 Total Treatment Period (Days): 5/8			
EQD ₂ -converted dose (cGy)										3633.9		4122.0		Total treatment period: 2023/01/01 - 2023/01/06 Total Treatment Period (Weeks): 3/0 Total Treatment Period (Days): 5/8			
Rectum D ₁₀₀ (EQD ₂)										410.1		781.2		Total treatment period: 2023/01/01 - 2023/01/06 Total Treatment Period (Weeks): 3/0 Total Treatment Period (Days): 5/8			
Bladder D ₁₀₀ (EQD ₂)										495.8		627.8		Total treatment period: 2023/01/01 - 2023/01/06 Total Treatment Period (Weeks): 3/0 Total Treatment Period (Days): 5/8			
Sigmoid D ₁₀₀ (EQD ₂)										663.1		609.3		Total treatment period: 2023/01/01 - 2023/01/06 Total Treatment Period (Weeks): 3/0 Total Treatment Period (Days): 5/8			
Small Bowel D ₁₀₀ (EQD ₂)										378.2		367.3		Total treatment period: 2023/01/01 - 2023/01/06 Total Treatment Period (Weeks): 3/0 Total Treatment Period (Days): 5/8			
HR-CTVD ₁₀₀ (EQD ₂)										874.7		849.7		Total treatment period: 2023/01/01 - 2023/01/06 Total Treatment Period (Weeks): 3/0 Total Treatment Period (Days): 5/8			
Total Dose (EQD ₂)										3410.1		4191.3		Total treatment period: 2023/01/01 - 2023/01/06 Total Treatment Period (Weeks): 3/0 Total Treatment Period (Days): 5/8			
Rectum D ₁₀₀ total (EQD ₂)										3495.8		4253.7		Total treatment period: 2023/01/01 - 2023/01/06 Total Treatment Period (Weeks): 3/0 Total Treatment Period (Days): 5/8			
Bladder D ₁₀₀ total (EQD ₂)										3663.1		4272.3		Total treatment period: 2023/01/01 - 2023/01/06 Total Treatment Period (Weeks): 3/0 Total Treatment Period (Days): 5/8			
Sigmoid D ₁₀₀ total (EQD ₂)										3378.2		3745.5		Total treatment period: 2023/01/01 - 2023/01/06 Total Treatment Period (Weeks): 3/0 Total Treatment Period (Days): 5/8			
Small Bowel D ₁₀₀ total (EQD ₂)										3874.7		4724.4		Total treatment period: 2023/01/01 - 2023/01/06 Total Treatment Period (Weeks): 3/0 Total Treatment Period (Days): 5/8			
HR-CTVD ₁₀₀ total (EQD ₂)										6633.9		6633.9		Total treatment period: 2023/01/01 - 2023/01/06 Total Treatment Period (Weeks): 3/0 Total Treatment Period (Days): 5/8			
WP + BT (EQD ₂)										6633.9		6633.9		Total treatment period: 2023/01/01 - 2023/01/06 Total Treatment Period (Weeks): 3/0 Total Treatment Period (Days): 5/8			
Rectum D ₁₀₀ total (EQD ₂)										6633.9		-133.9		Total treatment period: 2023/01/01 - 2023/01/06 Total Treatment Period (Weeks): 3/0 Total Treatment Period (Days): 5/8			
Bladder D ₁₀₀ total (EQD ₂)										6633.9		878.0		Total treatment period: 2023/01/01 - 2023/01/06 Total Treatment Period (Weeks): 3/0 Total Treatment Period (Days): 5/8			
Sigmoid D ₁₀₀ total (EQD ₂)										6633.9		6577.9		Total treatment period: 2023/01/01 - 2023/01/06 Total Treatment Period (Weeks): 3/0 Total Treatment Period (Days): 5/8			
Small Bowel D ₁₀₀ total (EQD ₂)										6633.9		6577.9		Total treatment period: 2023/01/01 - 2023/01/06 Total Treatment Period (Weeks): 3/0 Total Treatment Period (Days): 5/8			
HR-CTVD ₁₀₀ total (EQD ₂)										6633.9		6577.9		Total treatment period: 2023/01/01 - 2023/01/06 Total Treatment Period (Weeks): 3/0 Total Treatment Period (Days): 5/8			
CS dose is considered for total dose below										100.0		100.0		Total treatment period: 2023/01/01 - 2023/01/06 Total Treatment Period (Weeks): 3/0 Total Treatment Period (Days): 5/8			
Total Dose (EQD ₂)										5410.1		6191.3		Total treatment period: 2023/01/01 - 2023/01/06 Total Treatment Period (Weeks): 3/0 Total Treatment Period (Days): 5/8			
Rectum D ₁₀₀ total (EQD ₂)										5495.8		6253.7		Total treatment period: 2023/01/01 - 2023/01/06 Total Treatment Period (Weeks): 3/0 Total Treatment Period (Days): 5/8			
Bladder D ₁₀₀ total (EQD ₂)										5663.1		6272.3		Total treatment period: 2023/01/01 - 2023/01/06 Total Treatment Period (Weeks): 3/0 Total Treatment Period (Days): 5/8			
Sigmoid D ₁₀₀ total (EQD ₂)										5378.2		5745.5		Total treatment period: 2023/01/01 - 2023/01/06 Total Treatment Period (Weeks): 3/0 Total Treatment Period (Days): 5/8			
Small Bowel D ₁₀₀ total (EQD ₂)										5874.7		6724.4		Total treatment period: 2023/01/01 - 2023/01/06 Total Treatment Period (Weeks): 3/0 Total Treatment Period (Days): 5/8			
HR-CTVD ₁₀₀ total (EQD ₂)										6633.9		6633.9		Total treatment period: 2023/01/01 - 2023/01/06 Total Treatment Period (Weeks): 3/0 Total Treatment Period (Days): 5/8			
Goal (cGy)										#NUM!		#NUM!		Total treatment period: 2023/01/01 - 2023/01/06 Total Treatment Period (Weeks): 3/0 Total Treatment Period (Days): 5/8			
Tolerance (cGy)										#NUM!		#NUM!		Total treatment period: 2023/01/01 - 2023/01/06 Total Treatment Period (Weeks): 3/0 Total Treatment Period (Days): 5/8			

