# 2018 New Radiation Coding Rules

## Radiation Coding Scenarios

Please use the codes in the slides to complete the radiation coding scenarios below. The Phase I codes may be used to assign the Phase II and Phase 3 data items. Coding scenarios should be completed prior to the webinar. The radiation summaries in cases 2-6 are from directly from radiation charts. We will review the cases during the webinar.

## Case 1-Oropharynx

Treatment Dates: 1/22/18-2/10/18

Site: Head & Neck

Dose: 70 Gy in 35 fractions over 50 elapsed days.

Techniques: IMRT in the 6 MV linear accelerator with Aquaplast immobilization and custom blocking with daily KV image guidance.

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| **Fields** | **Code** | **Rationale** |
| Reason no Radiation |  |  |
| Radiation Start Date |  |  |
| Radiation End Date |  |  |
| Phase I Radiation Primary Treatment Volume |  |  |
| Phase I Radiation to Draining Lymph Nodes |  |  |
| Phase I Treatment Modality |  |  |
| Phase I EBRT Planning Technique |  |  |
| Phase I Dose per Fraction |  |  |
| Phase I Number of Fractions |  |  |
| Phase I Total Dose |  |  |
| Phase II Radiation Primary Treatment Volume |  |  |
| Phase II Radiation to Draining Lymph Nodes |  |  |
| Phase II Treatment Modality |  |  |
| Phase II EBRT Planning Technique |  |  |
| Phase II Dose per Fraction |  |  |
| Phase II Number of Fractions |  |  |
| Phase II Total Dose |  |  |
| Phase III Radiation Primary Treatment Volume |  |  |
| Phase III Radiation to Draining Lymph Nodes |  |  |
| Phase III Treatment Modality |  |  |
| Phase III EBRT Planning Technique |  |  |
| Phase III Dose per Fraction |  |  |
| Phase III Number of Fractions |  |  |
| Phase III Total Dose |  |  |
| Number of Phases of Radiation Treatment to this Volume |  |  |
| Radiation Discontinued Early |  |  |
| Total Dose |  |  |

## Case 2- Prostate

Summary of I-125 seed implant: On 1/21/18, 66 iodine-125 seeds were implanted into the prostate gland/seminal vesicles with an activity of 0.245 mci/seed. He then received daily external beam therapy using intensity modulation and daily image guiding as outlined below:

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| Treatment Site | Energy | Dose/Fx (Gy) | # Fx | Dose Correction (Gy) | Total Dose (Gy) | Start Date | End Date | Elapsed Days |
| 1-PROSV IMRT | 6X | 1.5 | 30/30 | 0 | 45 | 2/11/18 | 3/23/18 | 41 |
| 2-SV BST | 6X | 1.5 | 5/5 | 0 | 7.5 | 3/24/18 | 3/31/18 | 7 |
| Total |  |  |  |  | 52.5 | 2/11/18 | 3/31/18 | 49 |

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| **Fields** | **Code** | **Rationale** |
| Reason no Radiation |  |  |
| Radiation Start Date |  |  |
| Radiation End Date |  |  |
| Phase I Radiation Primary Treatment Volume |  |  |
| Phase I Radiation to Draining Lymph Nodes |  |  |
| Phase I Treatment Modality |  |  |
| Phase I EBRT Planning Technique |  |  |
| Phase I Dose per Fraction |  |  |
| Phase I Number of Fractions |  |  |
| Phase I Total Dose |  |  |
| Phase II Radiation Primary Treatment Volume |  |  |
| Phase II Radiation to Draining Lymph Nodes |  |  |
| Phase II Treatment Modality |  |  |
| Phase II EBRT Planning Technique |  |  |
| Phase II Dose per Fraction |  |  |
| Phase II Number of Fractions |  |  |
| Phase II Total Dose |  |  |
| Phase III Radiation Primary Treatment Volume |  |  |
| Phase III Radiation to Draining Lymph Nodes |  |  |
| Phase III Treatment Modality |  |  |
| Phase III EBRT Planning Technique |  |  |
| Phase III Dose per Fraction |  |  |
| Phase III Number of Fractions |  |  |
| Phase III Total Dose |  |  |
| Number of Phases of Radiation Treatment to this Volume |  |  |
| Radiation Discontinued Early |  |  |
| Total Dose |  |  |

## Case 3- Lung, Palliative for Stage IIIA T2aN2M0

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Treatment Site | Energy | Dose/Fx (Gy) | # Fx | Dose Correction (Gy) | Total Dose (Gy) | Start Date | End Date | Elapsed Days |
| 1-Mediastinum | 6X | 4 | 5/5 | 0 | 20 | 2/11/18 | 2/17/18 | 6 |
| Total |  |  |  |  | 20 | 2/11/18 | 2/17/18 | 6 |

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| **Fields** | **Code** | **Rationale** |
| Reason no Radiation |  |  |
| Radiation Start Date |  |  |
| Radiation End Date |  |  |
| Phase I Radiation Primary Treatment Volume |  |  |
| Phase I Radiation to Draining Lymph Nodes |  |  |
| Phase I Treatment Modality |  |  |
| Phase I EBRT Planning Technique |  |  |
| Phase I Dose per Fraction |  |  |
| Phase I Number of Fractions |  |  |
| Phase I Total Dose |  |  |
| Phase II Radiation Primary Treatment Volume |  |  |
| Phase II Radiation to Draining Lymph Nodes |  |  |
| Phase II Treatment Modality |  |  |
| Phase II EBRT Planning Technique |  |  |
| Phase II Dose per Fraction |  |  |
| Phase II Number of Fractions |  |  |
| Phase II Total Dose |  |  |
| Phase III Radiation Primary Treatment Volume |  |  |
| Phase III Radiation to Draining Lymph Nodes |  |  |
| Phase III Treatment Modality |  |  |
| Phase III EBRT Planning Technique |  |  |
| Phase III Dose per Fraction |  |  |
| Phase III Number of Fractions |  |  |
| Phase III Total Dose |  |  |
| Number of Phases of Radiation Treatment to this Volume |  |  |
| Radiation Discontinued Early |  |  |
| Total Dose |  |  |

## Case 4- Lung Stage IV T3N2M1b

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| --- | --- | --- | --- | --- | --- | --- | --- |
| Treatment Site | Energy | Dose/Fx (Gy) | # Fx | Total Dose (Gy) | Start Date | End Date | Elapsed Days |
| 2 L4-SI | 10X/6X | 3 | 10/10 | 30 | 1/7/18 | 1/20/18 | 13 |
| 1 Lt Hip | 15X/6X | 3 | 10/10 | 30 | 1/7/18 | 1/20/18 | 13 |
| 3 Rt Lung | 6X | 1.8 | 35/35 | 63 | 1/25/18 | 4/1/18 | 67 |
| Total |  |  |  |  | 1/7/18 | 4/1/18 | 85 |

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| **Fields** | **Code** | **Rationale** |
| Reason no Radiation |  |  |
| Radiation Start Date |  |  |
| Radiation End Date |  |  |
| Phase I Radiation Primary Treatment Volume |  |  |
| Phase I Radiation to Draining Lymph Nodes |  |  |
| Phase I Treatment Modality |  |  |
| Phase I EBRT Planning Technique |  |  |
| Phase I Dose per Fraction |  |  |
| Phase I Number of Fractions |  |  |
| Phase I Total Dose |  |  |
| Phase II Radiation Primary Treatment Volume |  |  |
| Phase II Radiation to Draining Lymph Nodes |  |  |
| Phase II Treatment Modality |  |  |
| Phase II EBRT Planning Technique |  |  |
| Phase II Dose per Fraction |  |  |
| Phase II Number of Fractions |  |  |
| Phase II Total Dose |  |  |
| Phase III Radiation Primary Treatment Volume |  |  |
| Phase III Radiation to Draining Lymph Nodes |  |  |
| Phase III Treatment Modality |  |  |
| Phase III EBRT Planning Technique |  |  |
| Phase III Dose per Fraction |  |  |
| Phase III Number of Fractions |  |  |
| Phase III Total Dose |  |  |
| Number of Phases of Radiation Treatment to this Volume |  |  |
| Radiation Discontinued Early |  |  |
| Total Dose |  |  |

## Case 5- Cervix

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| --- | --- | --- | --- | --- | --- | --- | --- |
| Treatment Site | Energy | Dose/Fx (Gy) | # Fx | Total Dose (Gy) | Start Date | End Date | Elapsed Days |
| 1-Pelvis | 10X/6X | 1.8 | 28/28 | 50.4 | 2/1/18 | 3/9/18 | 37 |
| Vag HDR | I-192 | 6.0 | 3/3 | 18.0 | 3/15/18 | 3/22/18 | 8 |

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| **Fields** | **Code** | **Rationale** |
| Reason no Radiation |  |  |
| Radiation Start Date |  |  |
| Radiation End Date |  |  |
| Phase I Radiation Primary Treatment Volume |  |  |
| Phase I Radiation to Draining Lymph Nodes |  |  |
| Phase I Treatment Modality |  |  |
| Phase I EBRT Planning Technique |  |  |
| Phase I Dose per Fraction |  |  |
| Phase I Number of Fractions |  |  |
| Phase I Total Dose |  |  |
| Phase II Radiation Primary Treatment Volume |  |  |
| Phase II Radiation to Draining Lymph Nodes |  |  |
| Phase II Treatment Modality |  |  |
| Phase II EBRT Planning Technique |  |  |
| Phase II Dose per Fraction |  |  |
| Phase II Number of Fractions |  |  |
| Phase II Total Dose |  |  |
| Phase III Radiation Primary Treatment Volume |  |  |
| Phase III Radiation to Draining Lymph Nodes |  |  |
| Phase III Treatment Modality |  |  |
| Phase III EBRT Planning Technique |  |  |
| Phase III Dose per Fraction |  |  |
| Phase III Number of Fractions |  |  |
| Phase III Total Dose |  |  |
| Number of Phases of Radiation Treatment to this Volume |  |  |
| Radiation Discontinued Early |  |  |
| Total Dose |  |  |

## Case 6-Breast

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| --- | --- | --- | --- | --- | --- | --- | --- |
| Treatment Site | Energy | Dose/Fx (Gy) | #Fx | Total Dose (Gy) | Start Date | End Date | Elapsed Days |
| 2R SCF | 6X/10X | 1.8 | 28/28 | 50.4 | 6/22/18 | 8/3/18 | 42 |
| 1 R WB | 6X | 1.8 | 28/28 | 50.4 | 6/22/18 | 8/3/18 | 42 |
| 3 R B Scar Bst | 6E | 2 | 5/5 | 10 | 8/4/18 | 8/10/18 | 6 |
| 4 R Axilla Bst | 12E | 2 | 5/5 | 10 | 8/4/18 | 8/10/18 | 6 |
| Total |  |  |  |  | 6/22/18 | 8/10/18 | 49 |

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| --- | --- | --- |
| **Fields** | **Code** | **Rationale** |
| Reason no Radiation |  |  |
| Radiation Start Date |  |  |
| Radiation End Date |  |  |
| Phase I Radiation Primary Treatment Volume |  |  |
| Phase I Radiation to Draining Lymph Nodes |  |  |
| Phase I Treatment Modality |  |  |
| Phase I EBRT Planning Technique |  |  |
| Phase I Dose per Fraction |  |  |
| Phase I Number of Fractions |  |  |
| Phase I Total Dose |  |  |
| Phase II Radiation Primary Treatment Volume |  |  |
| Phase II Radiation to Draining Lymph Nodes |  |  |
| Phase II Treatment Modality |  |  |
| Phase II EBRT Planning Technique |  |  |
| Phase II Dose per Fraction |  |  |
| Phase II Number of Fractions |  |  |
| Phase II Total Dose |  |  |
| Phase III Radiation Primary Treatment Volume |  |  |
| Phase III Radiation to Draining Lymph Nodes |  |  |
| Phase III Treatment Modality |  |  |
| Phase III EBRT Planning Technique |  |  |
| Phase III Dose per Fraction |  |  |
| Phase III Number of Fractions |  |  |
| Phase III Total Dose |  |  |
| Number of Phases of Radiation Treatment to this Volume |  |  |
| Radiation Discontinued Early |  |  |
| Total Dose |  |  |