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|  | Levine Cancer Institute  Clinical Trials  **Lugano 2014 Response Evaluation Tool** | **Subject Name:** | **MRN:** | **DOB:** |
| **Investigator:** | **Protocol #:** | |
| **Research Contact:** | | |
|  | Date of PET:\_\_/\_\_/\_­\_or N/A  Date of CT: \_\_/\_\_/\_\_ or N/A | **Visit:**  **Screening**  **Cycle\_\_\_\_\_**  **Other** | | |

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| **TARGET LESIONS** | | | | | |
| **Lesion #** | **Exam Type (CT/MRI)** | **Site of Lesion** | **Lesion Dimensions (cm)** | **SPD** | **PET Status**  (Enter “0” for no uptake) |
|  |  |  | \_\_\_ x \_\_\_\_\_\_\_ = \_\_\_\_\_ | SPD: \_\_\_\_\_ cm2 | SUV Max: \_\_\_\_\_\_\_ |
|  |  |  | \_\_\_\_\_\_ x \_\_\_\_\_\_\_ = \_\_\_\_\_\_ | SUV Max: \_\_\_\_\_\_\_ |
|  |  |  | \_\_\_\_\_\_ x \_\_\_\_\_\_\_ = \_\_\_\_\_\_ | SUV Max: \_\_\_\_\_\_\_ |
|  |  |  | \_\_\_\_\_\_ x \_\_\_\_\_\_\_ = \_\_\_\_\_\_ | SUV Max: \_\_\_\_\_\_\_ |
|  |  |  | \_\_\_\_\_\_ x \_\_\_\_\_\_\_ = \_\_\_\_\_\_ | SUV Max: \_\_\_\_\_\_\_ |
|  |  |  | \_\_\_\_\_\_ x \_\_\_\_\_\_\_ = \_\_\_\_\_\_ | SUV Max: \_\_\_\_\_\_\_ |

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| **NON-TARGET LESIONS** | | | | | |
| **Lesion #** | **Exam Type**  **(CT, PET, other)** | **Site of Lesion** | **CT Status**  **(CR, PR, Stable, PD, etc)** | **Not Assessed by CT** | **PET Status**  (Enter “0” for no uptake SUV activity) |
|  |  |  |  |  | SUVmax: \_\_\_\_\_\_\_\_\_\_\_  Not assessed |
|  |  |  |  |  | SUVmax: \_\_\_\_\_\_\_\_\_\_\_  Not assessed |
|  |  |  |  |  | SUVmax: \_\_\_\_\_\_\_\_\_\_\_  Not assessed |
|  |  |  |  |  | SUVmax: \_\_\_\_\_\_\_\_\_\_\_  Not assessed |
|  |  |  |  |  | SUVmax: \_\_\_\_\_\_\_\_\_\_\_  Not assessed |

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| **NEW LESIONS** | | | |
| Are there new lesions?  Yes No | | | |
| **Lesion #** | **Lesion Site** | **CT Scan**  **Lesion Dimensions (cm)** | **PET Status** |
|  |  | \_\_\_\_\_\_\_\_ x\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_ | SUVmax: \_\_\_\_\_\_\_\_\_\_\_  Not assessed |
|  |  | \_\_\_\_\_\_\_\_ x\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_ | SUVmax: \_\_\_\_\_\_\_\_\_\_\_  Not assessed |

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| **Lugano 2014 – Spleen Assessment** |
| Spleen vertical length: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ cm  Not assessed by CT  SUVmax Activity: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ SUVmax Avidity not assessed |

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| **Lugano 2014 – PET Assessment of Bone Marrow:** |
| Is there evidence of focal FDG-Avid disease in bone marrow? Yes No Not applicable |

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| **PET Uptake Assessment** | |
| Mediastinal Blood Pool – SUVmax: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Liver – SUVmax: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |
| Areas not likely attributable to lymphoma: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |
| The highest SUVmax result across all lesions assessed at this visit:  SUVmax: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | If the score is 4 or 5, and the response is the same score as baseline, what is the FDG uptake compared to baseline:  Increased  No Change  Decreased  Not evaluable |

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| **Lugano Overall 5 Point PET Scale:** | |
| 1. No uptake above background 3. Uptake > mediastinum but ≤ liver 5. Uptake markedly higher than liver and/or new lesions 2. Uptake ≤ mediastinum 4. Uptake moderately > liver X Not evaluable | |
| **Overall 5-Point Score for This Visit: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | |
| **Response Assessments:**  PET Based Response: \_\_\_\_\_\_\_\_\_\_\_\_\_ Not applicable  CT Based Response: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Not applicable  Overall Response per Lugano: \_\_\_\_\_\_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_  Investigator Signature Date |

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