

Evidence Discussion – (PN 9.1)

Peripheral Nerve Sheath Tumors

- Peripheral Nerve Sheath Tumors (PNSTs) may arise from any body region. PNSTs are susceptible to malignant transformation. Therefore, MRI of the known or suspected body region is supported for evaluation.¹
- MRI is the preferred imaging modality for soft tissue tumors, such as PNSTs, and is a relatively safe imaging modality since radiation exposure is not involved.^{1,2}

The role of PET imaging in Peripheral Nerve Sheath Tumors is not yet well established.³ Otherwise, PET imaging in this clinical scenario would not add any clinical value and would unnecessarily expose patients to radiation.

References

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3. Assadi M, Velez E, Najafi MH, Matcuk G, Gholamrezanezhad A. PET Imaging of Peripheral Nerve Tumors. *PET Clinics*. 2019;14(1):81-89. doi: 10.1016/j.cpet.2018.08.013.