

Topical Collection

Hybrid Imaging in Medicine

Message from the Collection Editors

Medical imaging techniques are of paramount value in clinical medicine and as research tools. The techniques are rapidly improving and new techniques are continuously implemented. Whereas every technique has advantages and shortcomings, imaging techniques are often complementary, and therefore, a current trend is the integration of different imaging techniques for hybrid imaging. Examples of such synergistic hybrid imaging is PET/CT, which is now more common than PET-only scans. Recently, hybrid PET/MRI scanners have also been introduced in clinical use. Moreover, developments for combining ultrasonography with other modalities are on their way. Integration of morphological and functional imaging seems to be especially useful. However, combinations of several functional modalities may add value and allow for better tissue characterization.

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