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(57) Abstract :

The invention introduces a state-of-the-art system for biomedical image feature extraction. By integrating artificial intelligence, this system is tailored to automatically identify and extract salient features across various medical imaging modalities. Unique in its design, the system offers self-learning capabilities, allowing it to refine its methods based on continuous input and feedback. Further, it seamlessly integrates with electronic health records, ensuring comprehensive feature extraction based on both imaging and patient historical data. Cross-modality consistency, real-time processing, cloud-based functionalities, and robust data privacy measures further enhance its applicability and relevance in contemporary medical diagnostics. Accompanied Drawing [FIGS. 1-2]

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