

AI in Medicine

Future of Healthcare by AI



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Speech Title	A new era in precision medicine for genetic hearing loss	
Abstract(200 words) :		
<p>Hearing loss is a major global health concern, with genetic factors accounting for a significant portion of both congenital and adult-onset sensorineural hearing loss (SNHL). Recent advances in genomic technologies have enabled the identification of over 130 deafness-related genes, paving the way for precision medicine approaches. This presentation highlights translational strategies targeting specific genetic causes of hearing loss. A series of strategies exemplify how integrating genetic diagnostics, disease modeling, and targeted therapeutics can reshape the treatment paradigm for hereditary hearing loss. Precision medicine offers new hope for curative interventions, shifting the focus from amplification devices to molecularly guided therapies tailored to the underlying genetic etiology.</p>		