



Using AI to Improve Women's Chances of Conceiving

Babyndex enables women to accurately identify their actual fertile window in an affordable way by digitalizing the saliva ovulation test and saves the data to a personal calendar. The Babyndex solution combines a simple saliva test and an ovulation microscope with an artificial intelligence (AI)-powered app. Using computer vision and machine learning, the app helps women easily and more accurately identify saliva crystals.¹ By identifying the crystals that correspond with their fertile window, women can improve their chances of conceiving. To develop and deploy the app's advanced algorithms, Babyndex turned to the MedTech Visual AI specialists Ximilar and their Intel-optimized machine learning platform. Ximilar's innovative 'Flow' approach—breaking down complex machine learning problems into smaller, separate tasks, and chaining them into one image-processing flow—enabled Babyndex to improve the accuracy of its models over time.

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¹ For more complete information about performance and benchmark results, visit <https://www.intel.com/content/www/us/en/customer-spotlight/stories/babyndex-customer-story.html>