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Malocclusion, fingerprints and blood group



Cephalometric measurements and Photogrammetry



Pattern of malocclusion seen at AKTH

Artificial Intelligence in Orthodontics



Talon Cusps: Conservative management

Editorial

Malocclusion significantly affects individuals' quality of life, impacting nutrition, speech, and psychosocial well-being. In low- and middle-income countries (LMICs), access to orthodontic care is limited—not because of a lack of need, but due to the chronic shortage of trained specialists. At the heart of this problem lies a fragile training infrastructure plagued by underfunding, inconsistent standards, and the relentless loss of talent to more developed nations.

Dental schools in many LMICs operate under tight financial constraints, often relying on outdated equipment and lacking essential clinical tools like imaging systems or modern orthodontic materials. Students graduate with minimal exposure to contemporary practices, which undermines their confidence and readiness for clinical work. Meanwhile, the lack of simulation technologies and hands-on models limits the development of essential skills during training.

This is further complicated by restricted internet access and the high cost of digital resources, which keep many faculty and students cut off from global developments in orthodontics. In an age where digital tools drive education and research, this technological divide deepens inequality and slows the pace of local progress. Then there's the ongoing loss of human capital. Orthodontists trained in LMICs often leave in search of better working conditions, research opportunities, and financial security abroad. This migration is a major setback, draining already limited health systems of expertise, leadership, and mentorship. In effect, LMICs are subsidizing the specialist workforce of wealthier nations.

Prof O.O. Sanu
Associate Editor

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