

# Three-dimensionally Printed Hyrax Versus Conventional Hyrax for Maxillary Arch Expansion in Adolescents

NCT07411092

---

<b>Status</b>	RECRUITING
<b>Phase</b>	Not Applicable
<b>Sponsor</b>	Ain Shams University
<b>Enrollment</b>	22 participants

## Key Eligibility Criteria

---

### Inclusion (4)

- Patients aged between 12 to 17 years.
- Skeletal age ranges from CVMS 3 to CVMS 5.
- Skeletal maxillary transverse deficiency with/without crossbite.
- Cooperative and able to attend follow-up visits.

### Exclusion (5)

- Previous orthodontic treatment.
- Craniofacial syndromes, or cleft lip and/or palate.
- Patients with vertical growth pattern.
- Very bad oral hygiene and active periodontal disease.
- Vulnerable groups such as individuals with cognitive impairments or intellectual disabilities and individuals with severe mental health disorders.

## Locations (1 total)

---

Faculty of dentistry, Ain Shams univeristy, Cairo, Cairo Governorate, Egypt