



ROBODEN: A HUMANOID ROBOT



“HARVESTING ARTIFICIAL INTELLIGENCE FOR THE PLAYFULNESS OF KIDS”

Roboden is a humanoid emotional robot designed to mitigate stress, anxiety and pain in pediatric patients by engaging them in playful interaction. A robot can socially & emotionally aid child patients in their dental procedures to cope with stress and anxiety better than other conventional intervention methods. [Yasemin M et al., 2016]

MISSION STATEMENT

To ease pain and anxiety in children

APPLICATION IN PEDIATRIC DENTISTRY

Pain Coach



Roboden teaches breathing and uses cognitive behavioural intervention to distract and comfort children.

Physical Companion



Children with special needs may be more engaged with Roboden.

Motivator



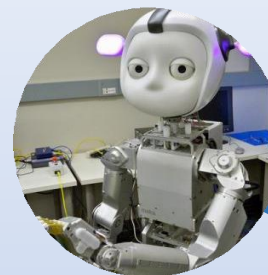
Humanoid robot motivates and educates children and instills their confidence.

This soother-bot is definitely a prescription for pain relief!



Configuration

23 inches tall
5.4 kg weight
1.6 GHZ processor
25 degree freedom
50 Sensors
4 Microphones
2 HD camera



“I have all e-motions but don’t have emotions and that makes me feel very sad”

