



## BEDSIDE DENTISTRY

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*ORAL HEALTH IN HOSPITALIZED DISABLED PATIENTS:  
DENTAL PROFESSION AT THE PATIENT'S BED.*



**Bambino Gesù**  
OSPEDALE PEDIATRICO

Project:

## High complexity dentistry in the patient's bed

### High complexity areas:

- Onco-hematology
- Neuro-rehabilitation
- Multidisciplinary pediatrics
- Nefrology
- Bronchopneumology
- Metabolic diseases

### Intensive care areas:

- Cardiology and intensive cardiac surgery
- Intensive care-Resuscitation
- Emergency room

- Bambino Gesù Pediatric Hospital (OPBG)  
= National reference center for rare and complex diseases of the paediatric age.
- The Odontostomatology Unit + other Operating Units of OPBG → multidisciplinarity

portable dental unit, transferring the dental profession to the bed of the complex patient

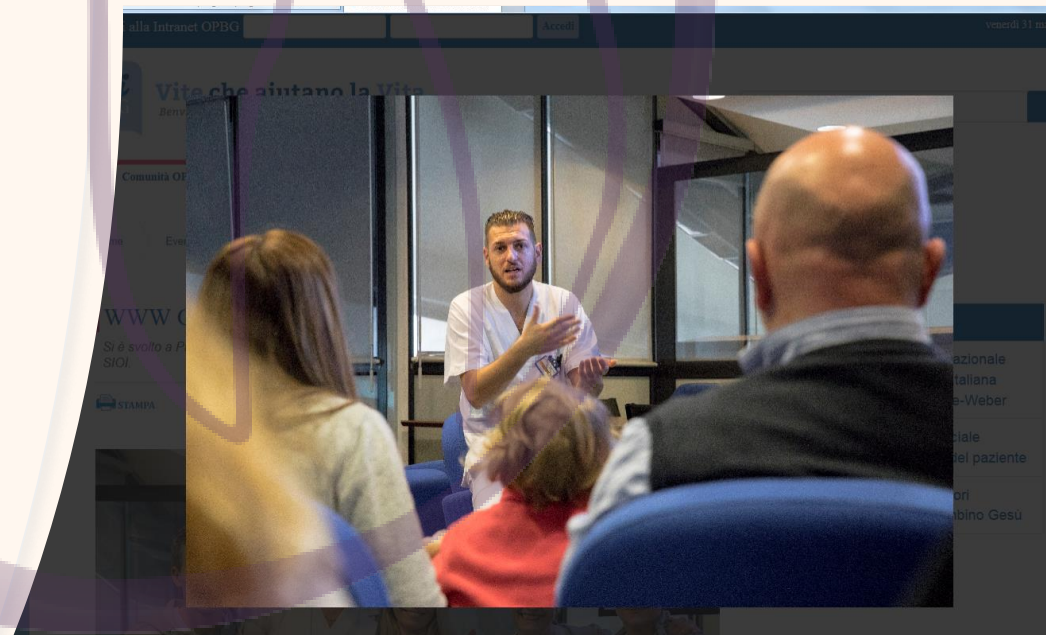
enhance the patient's well-being

# Idea & Objectives

- Make dental care accessible to the patient in highly complex conditions: long-term patient, continuously monitored, dependent on devices (mechanical ventilation), who cannot leave the unit of belonging.
- Facilitate, implement and expand the offer by guaranteeing the patient and his family training, prevention, assistance and continuity of care.
- Transferability to other health professions
- The execution of the dental service at the patient's bed allows to work in complete safety and with adequately trained personnel for emergencies



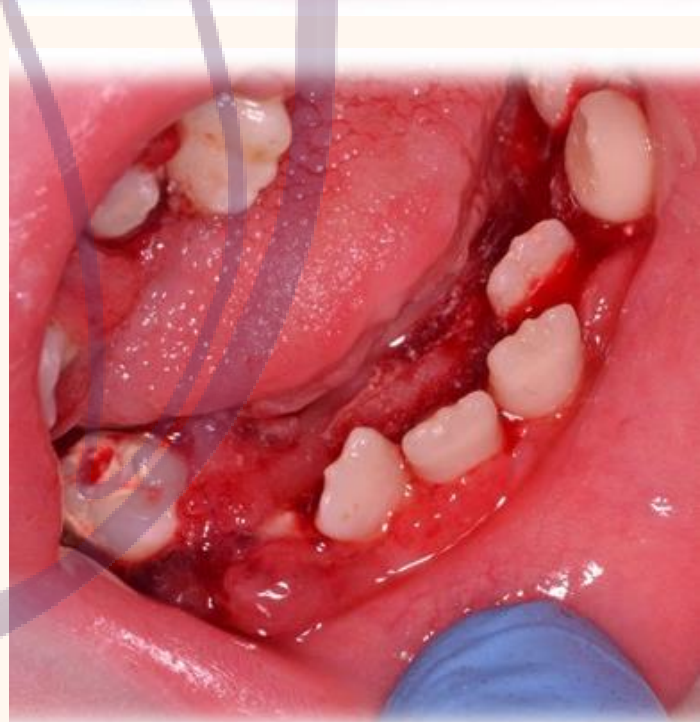
- *Training for O.U. healthcare staff*
- *Parent information (focus group)*
- *Individual training for the parent / caregiver*
- *Preparatory activity for the dental clinic*



## *Rationale:*

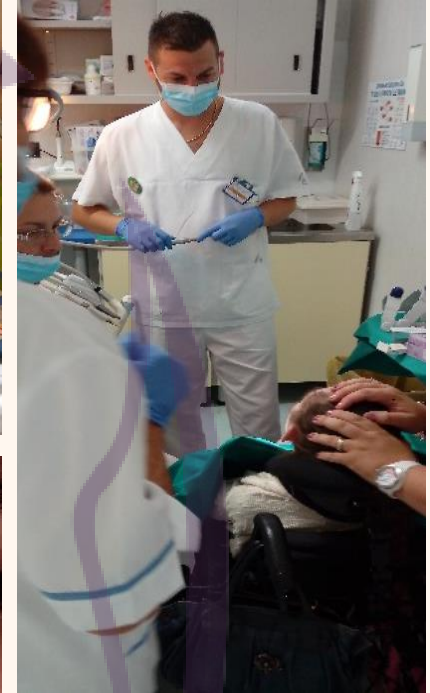
- *In long-term patients, the hospital becomes a familiar place after their home*
- *Dental care has a significant impact on the systemic health of the child*
- *Professional oral care helps reduce the risk of VAP (ventilator associated pneumonia) associated with bacteria in the oral cavity*
- *The use of the portable unit allows to operate in a familiar environment and in complete safety*
- *Multidisciplinary work organized by priority of care*





The activity is planned and carried out by a team of healthcare professionals:

- Home unit head nurse and the case manager of the home unit (in the planning phase)
- Dental professionals:
  - dental hygienist
  - dental nurse











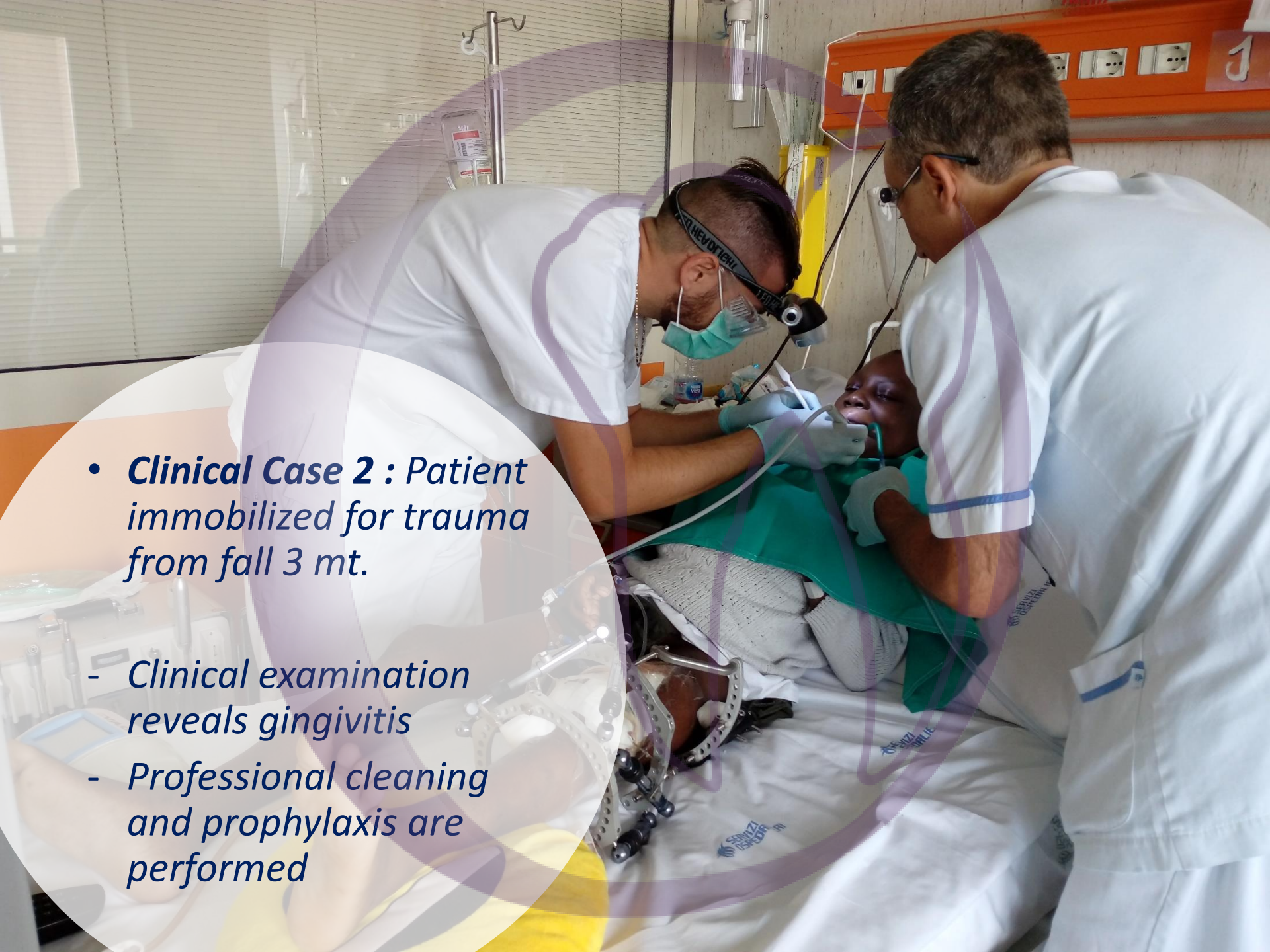
- **Clinical Case 1**

*Intensive care patient  
following cerebral  
hemorrhage.*

*- Orthodontics are  
dismantled in  
emergency.*

*- Dental prophylaxis  
session follows*



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- A photograph of a dental procedure being performed on a patient lying in a dental chair. Two dental professionals, both wearing white scrubs, masks, and gloves, are attending to the patient. The dentist on the left is using a dental handpiece. The patient is wearing a green dental bib and has their head tilted back. The background shows a typical dental clinic setting with various equipment and a wall-mounted electrical outlet panel.
- **Clinical Case 2 : Patient immobilized for trauma from fall 3 mt.**
  - Clinical examination reveals gingivitis
  - Professional cleaning and prophylaxis are performed

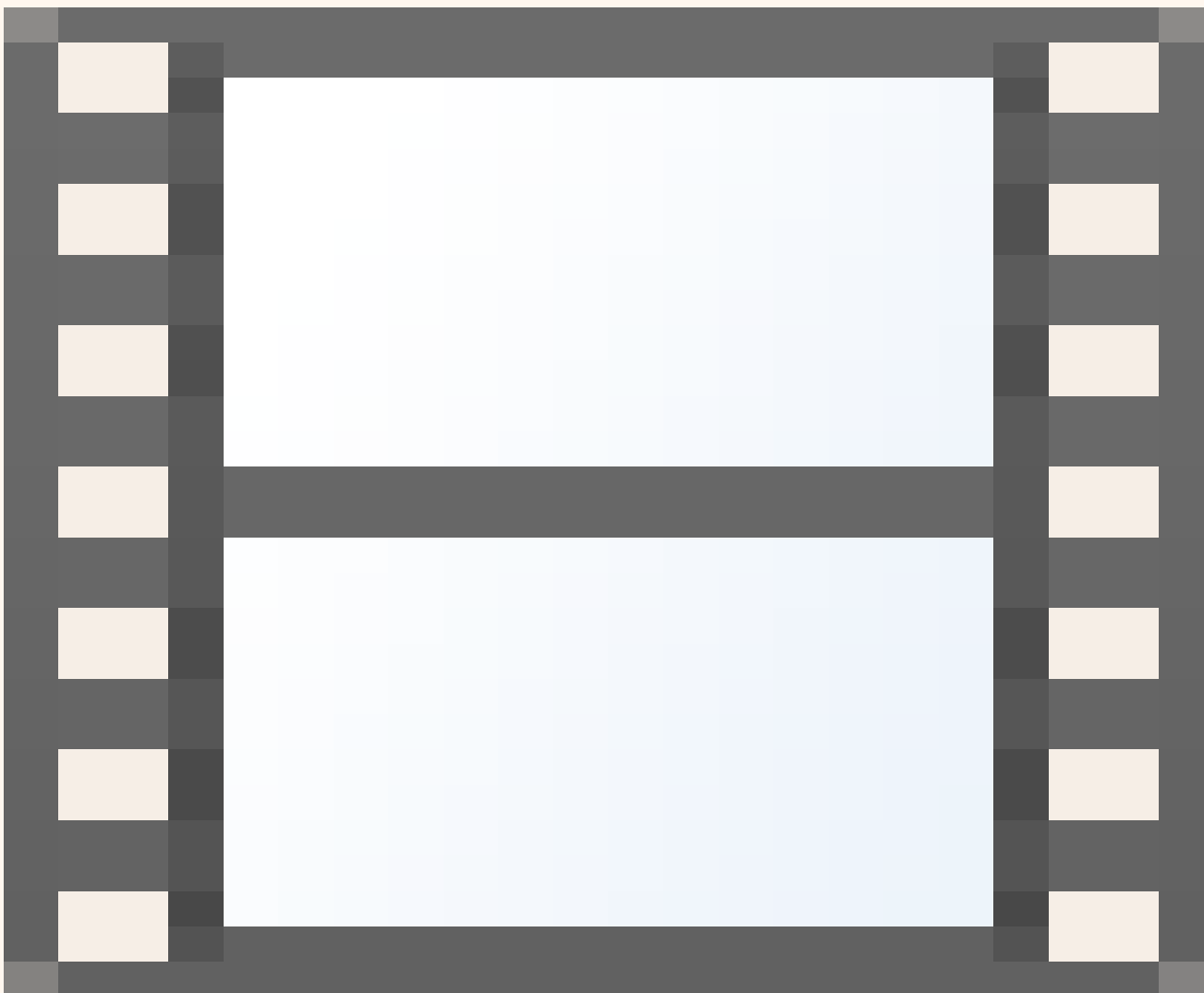


- ***Clinical Case 3 : Patient in mechanical ventilation 24/7***

*- Dental prophylaxis is needed for the clinical picture of severe gingivitis.*

*- The use of the portable unit allows professional cleaning at the patient's bed without risk of mobilization and / or access to the operating room*





## *Materials required for bedside dental prophylaxis*

- - *personal protection equipment*
- - *standard examination kit*
- - *plaque detector*
- - *brushes – manual and rotative*
- - *dental floss*
- - *prophylaxis paste*
- - *fluoride gel and varnish*
- - *tooth mousse*
- - *gauze*
- - *mouthwash*
- - *trays for fluoride gel*
- - *alginate*
- - *cup and spatula*
- - *suction cannulae*





# Future developments

- 1. *Dentistry services provided within high complexity Operatory Units*
- 2. *Field activities (Centro di riabilitazione )*
- 3. *International missions*
- 4. *International Educational Projects → Clinical experts for patients with special oral care needs: Project Oral Special Care Academic Resources (O.S.C.A.R.)*