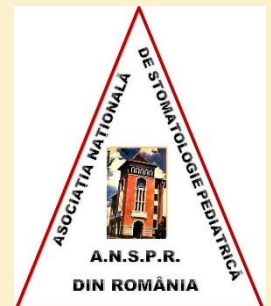




# Dental General Anaesthesia: *Clinical cases*



Case 1. Anastasia, 3y 6m



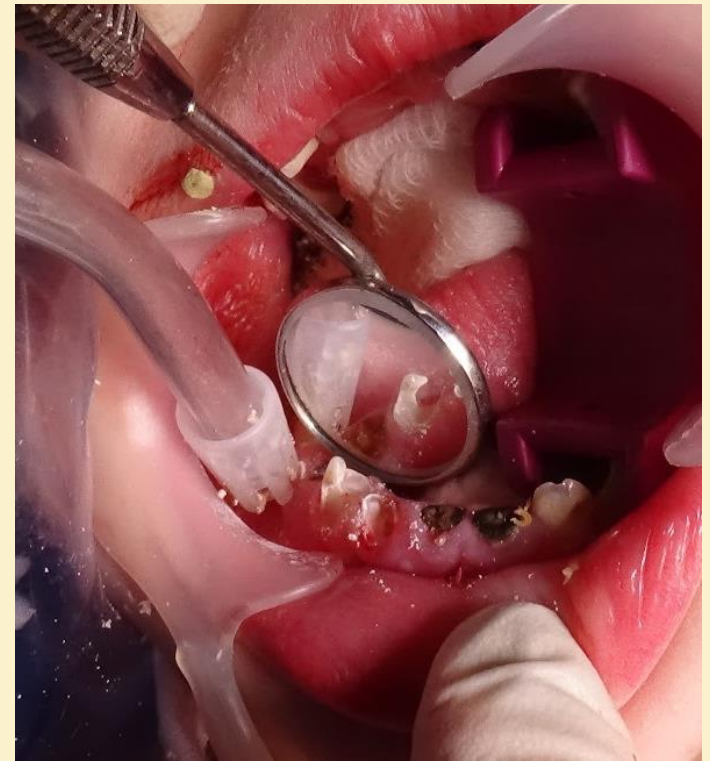
*General dg: Down sdr*  
*Dental dg: multiple caries*  
*with/without pulp involvement*

*NO preventive care to the age of 3.5y*



## Reasons for GA referral:

- high complexity of needed treatment
- young age, intellectual disability
- poor compliance (Score 1 on Frankl scale)



**DGA:** 10 extracted teeth  
9 restored  
1 caries-free lower incisor

## GA general outcome:

- Pain relief, infections solved + changes in habits:
  - Toothbrushing was first introduced
  - Diet adjustments
  - Regular dental check-ups
  - Improved compliance, yet still subject to mood

## During the following 4 y after GA - in-office visits with:

- Close clinical monitoring (every 3 m)
- Maintenance of restorations done under GA
- Early treatment of new caries
- Glass-ionomer sealants on freshly erupted first permanent molars
- Fluoride varnish topical application



Anastasia (now 7y 7m old) is currently under **follow-up** in a **Dental Home** system.

Case2. Antonio, age 4y 11m

General dg: healthy child, a little bit overindulged 😊

Dental dg: extensive caries with compromised necrotic upper deciduous incisors;

54, 64, 74 – complete breakdown, necrotic, compromised

84 – massive crown destruction, necrotic

55, 65, 75, 85 occlusal caries, no pulp involvement

Compliance: Poor, score 2-1 on Frankl scale

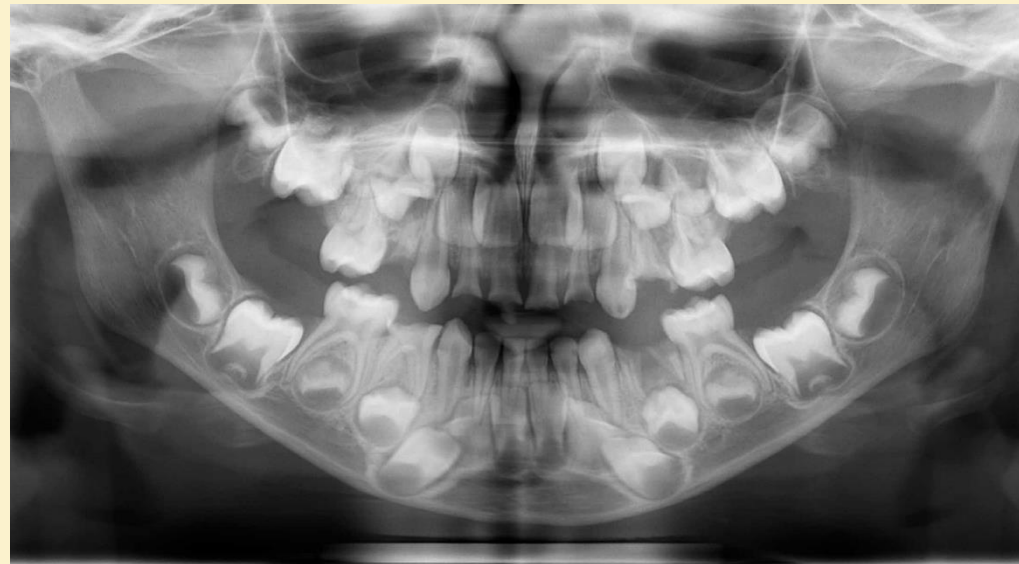
Reasons for referral for GA:

required treatment is too complex for the child to comply

Parents' expectations:

NO extractions,

NO preformed stainless steel  
crowns (aesthetics reasons)



**Treatment plan was agreed with parents** beforehand.

Treatment performed under GA (compromise between dentists' recommendations and parents' expectations):

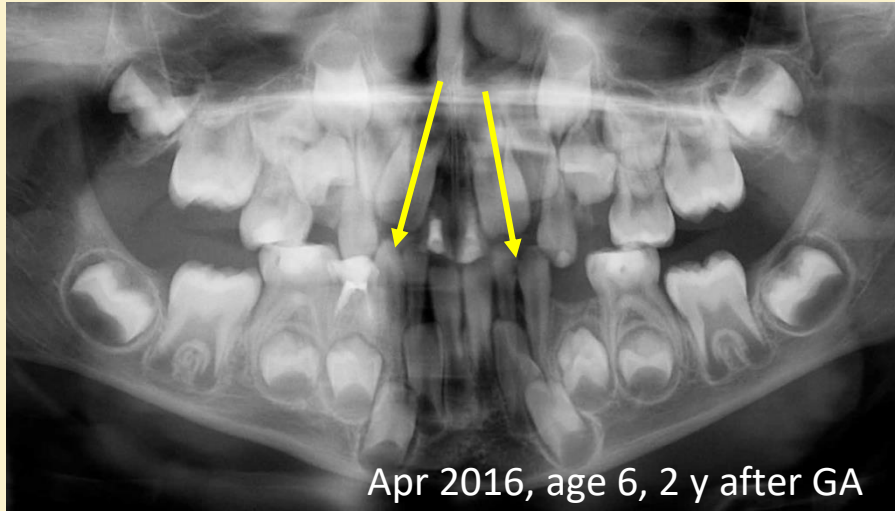
- 52, 62, 54, 64, 74 removed under GA;
- 51, 61 endo treatment, restored and kept for aesthetics reason
- 84 – endo + restoration – **NO SSC** – unacceptable for parents –aesthetics reason



A Dental Home was set up for Antonio, with in-office monitoring and treatment.

## Problems during follow-up:

- as 51,61 were kept and 52, 62 were extracted, 11, 21 found an easier pathway for eruption



- In the absence of a preformed crown, the glass-ionomer restoration on 84 broke down





Close monitoring and interceptive orthodontics gradually solves occurring problems.



**IMPORTANT:** After his DGA, Antonio is not a child with special healthcare needs any more.



Case 3. Victor, age 12y

General dg: Autism, Williams syndrome, epileptic encephalopathy

Dental dg: 11 trauma with pulp exposure;

DGA: 11 was restored → social integration, despite imminent recurrence of trauma

