

Safe sedation without anaesthesiologist

Raina Brethouwer

Medisch Coördinator

No conflicts of interest



Beahuis & Bloemenhovekliniek

vrouwvriendelijke hulp bij een moeilijke beslissing

Safe sedation without anaesthesiologist

- Numbers of 8 clinics (2010-2015) The Netherlands
- Numbers of the Bloemenhoveclinic
- How to
- Dutch guideline



Numbers 2010-2015

- Together with Catherine de Jong, anaesthesiologist
- Presented at Euroanesthesia 2017, Geneva
- Retrospective descriptive analysis of patient records

- Data collection from former CASA clinics and Bloemenhoveclinic
- Total 8 clinics in The Netherlands
- From 2010 to 2015
- Propofol with alfentanil
- No anaesthesiologist in the clinic present



Numbers 2010-2015

- Total of 65.460 patients had sedation
- Total of 87 incidents were reported
 - No severe incidents
 - 0 death, 0 resuscitation, 0 transport to hospital, 0 aspiration
 - 28 complications (0,043%)
 - 59 minor incidents



Numbers 2010-2015

- 28 complications

– Desaturation	9	0,014%
– Laryngo/Bronchospasm	6	0,009%
– Coughing/sputum/suction	5	0,008%
– Vomiting	2	0,003%
– Bradycardia	6	0,009%



Numbers 2010-2015

- 59 minor incidents (i.e.)
 - Desaturation 19 (+9) 0,03% (0,04%)
 - Rash
 - Subcutaneous propofol
 - Jaw luxation
 - Restlessness at waking
 - No electricity



Numbers Bloemenhoveclinic



Beahuis & Bloemenhovekliniek

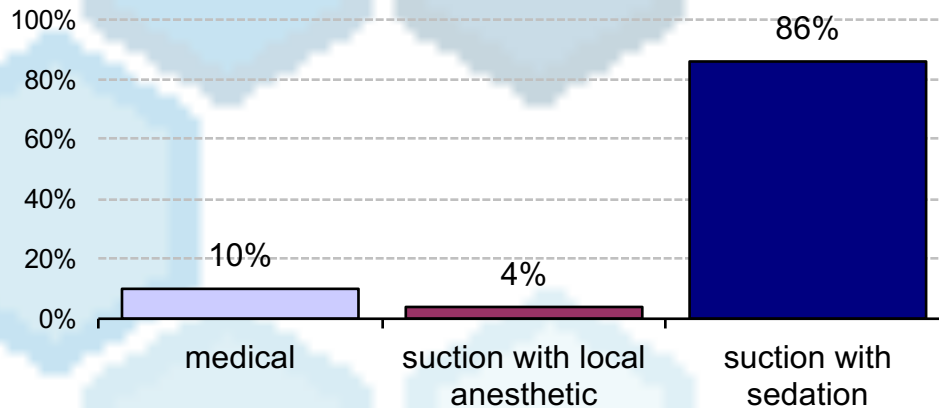
vrouwvriendelijke hulp bij een moeilijke beslissing

Numbers Bloemenhoveclinic

- Since 1971
- Treatments up to 22 week amenorrhoea
- Open: from Tuesday till Friday
- Around 3000 treatments per year
- Availability of sedation:
 - Daily

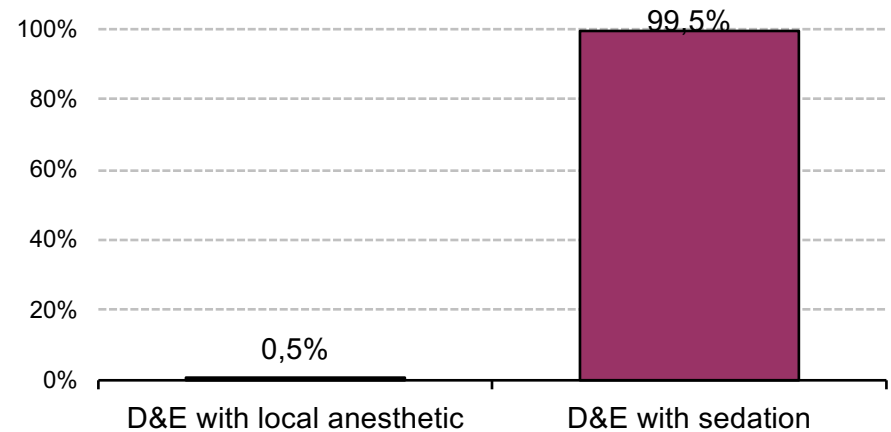


Numbers Bloemenhoveclinic 2021



First trimester

Second trimester



Beahuis & Bloemenhoveclinic

vrouwvriendelijke hulp bij een moeilijke beslissing

Numbers Bloemenhoveclinic 2021

- Total complications 1,75%
(0,98% excl medical abortions)
- **No complications in sedation**
- Only minor incidents
 - Desaturation
 - Coughing
 - Restlessness on waking



How to

- Sedation training for the doctors and nurses
 - ERC certified ALS training
 - Resuscitation box
 - Defibrillator/AED
 - Oxygen and balloon with mask
-
- Protocol authorised by sedation committee



How to

- Screening of patient history by doctor
- Selection of patient by ASA classification (I and II)
- Monitoring SaO₂, respiration, ECG and blood pressure
- Protocolised titration of medication by nurse



How to protocol

- Administration of 5 L of oxygen
- Start dose of alfentanil 0,5mg
- 2 min till starting dose of propofol
- 1 mg/kg initial dose
- Titration of propofol till deep sedation is reached
- Sustaining sedation with 10mg/2min
- Extra dose of alfentanil 0,25-0,5mg if needed



Dutch guideline

- Under construction to be finish soon
- Possible with training and safety measures
- No anaesthesiologist needed to administer the sedation



Conclusion

- It's safe to administer sedation out-patient setting
- With a well trained team
- No anesthesiologist needed present
- Daily availability of sedation
- No delay by extra appointment for pre-assessment
- More comfort for de patient



Questions



Beahuis & Bloemenhovekliniek

vrouwvriendelijke hulp bij een moeilijke beslissing