**Use of intranasal analgesia in military setting: a French cross sectional survey**

1. **Biographical information**
2. Gender

[ ]  Male

[ ]  Female

1. Age:
2. How many years have you practiced since graduation?

[ ]  < 5 years

[ ]  5 to 10 years

[ ]  10 to 15 years

[ ]  >15 years

1. Do you have additional training in emergency medicine?

[ ]  CAMU

[ ]  DESC

[ ]  No additional training

5)a) Do you work on-call in an emergency structure?

[ ]  In an emergency department (ED)

[ ]  Prehospital on-call

[ ]  ED and Prehospital on-call

[ ]  No

5)b) If yes, how often?

[ ]  1 to 2 times per month

[ ]  3 à 5 times per month

[ ]  >5 times per month

6.How many times have you been on deployment / mission abroad (> 2 months)?

[ ]  0 to 2 times

[ ]  2 to 6 times

[ ]  6 to 8 times

[ ]  8 to 10 times

[ ]  >10 times

7. Which army/unit do you primarily support?

[ ]  Army

[ ]  Army: paratroopers

[ ]  Army: mountain troops

[ ]  Air force

[ ]  Air force: Search and rescue

[ ]  Air force: emergency medical evacuation

[ ]  Navy: onboard station

[ ]  Navy: ground station

[ ]  Navy: Search and rescue

[ ]  Gendarmerie (= Military police department)

[ ]  Paris fire department (BSPP) or Marseille fire department (BMPM)

[ ]  Civil Security

[ ]  Special forces

[ ]  Physician in an ED

[ ]  Command center / management position

Other unit:

1. **Knowledge of intranasal route for analgesia**

8)a) Are you familiar with intranasal analgesia for pain control in a trauma patient?

[ ]  Yes

[ ]  No

8)b) How did you acquire this knowledge?

[ ]  civilian scientific articles

[ ]  military scientific articles

[ ]  communication in a congress

Other:

8)c) Do you know the intranasal bioavailability of ketamine?

[ ]  0-25%

[ ]  25-50%

[ ]  50-75%

[ ]  75-100%

[ ]  No

8)c) Do you know the intranasal bioavailability of sufentanil?

[ ]  0-25%

[ ]  25-50%

[ ]  50-75%

[ ]  75-100%

[ ]  No

8)c) Do you know the intranasal bioavailability of fentanyl?

[ ]  0-25%

[ ]  25-50%

[ ]  50-75%

[ ]  75-100%

[ ]  No

9. Do you know the delay of action for intranasal ketamine and opioids?

[ ]  < 1 minute

[ ]  1 to 15 minutes

[ ]  15 to 30 minutes

[ ]  30 to 60 minutes

[ ]  >60 minutes

[ ]  Non

10. Do you know the MAD Nasal Device (Muconasal Atomization Device Teleflex)?

[ ]  Yes

[ ]  No

11. Are you interested in an intranasal training course?

[ ]  Yes

[ ]  No

1. **Use of intranasal route for analgesia**

12)a) Have you ever used the intranasal route for analgesia?

[ ]  Yes

[ ]  No

12)b) If yes:

[ ]  In France: prehospital practice

[ ]  In France: At the medical antenna or during medical support

[ ]  During a mission: traumatic injury

[ ]  During a mission: war wounded

12) c) Which molecules have you already used?

[ ]  Ketamine

[ ]  Sufentanil

[ ]  Fentanyl

Other:

12)d) Have you ever observed any side effects with ketamine?

[ ]  Neuropsychological

[ ]  Hemodynamics

[ ]  Respiratory

[ ]  Difficulty in carrying out analgesia

[ ]  None

12)d) Have you ever observed any side effects with opioids?

[ ]  Neuropsychological

[ ]  Hemodynamics

[ ]  Respiratory

[ ]  Difficulty in carrying out analgesia

[ ]  None

13)a) In general, is additional analgesia necessary after using the intranasal route?

[ ]  Yes

[ ]  No

13)b) if yes:

[ ]  Subcutaneous

[ ]  Intravenous

*[ ]  Per os*

1. **Importance of the intranasal route for analgesia in your practice:**

14. Are you interested in intranasal analgesia for pain control in a traumatic patient?

[ ]  No

[ ]  Yes, in France

[ ]  Yes, during deployment / mission abroad

[ ]  Yes, in France and during deployment / missions abroad

15. If an intranasal administration device, like the MAD Nasal device, was available in the catalog in which situations would you use it?

[ ]  At the medical center

[ ]  When supporting high-risk activities

[ ]  In an austere environment (mountain, jungle...)

[ ]  During deployment / missions abroad

[ ]  Multi-victim situation

16. If an intranasal delivery device was available in the catalog, what would be its place in your opinion?

[ ]  Individual fighter kit

[ ]  Used by a combat medic

[ ]  Used by a nurse

[ ]  Use limited to the doctor