



# ICPIC2025

## INTERNATIONAL CONFERENCE ON PREVENTION & INFECTION CONTROL

Geneva  16-19 September 2025

**P 1151**

## A multicenter assessment of the infectious risk management in office-based surgery.

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### Background

- Surgery outside the operating theatre, or 'office-based surgery' (OBS), is growing in France generating a increasing internets from the surgical and IPC professionals.
- Data and recommendations are lacking regarding (i) procedures performed in OBS, (ii) SSI prevention and especially the environment in which this activity could be performed.
- Objectives: To assess **surgical procedures performed in healthcare facilities outside the operating theatre** in a western part of France, and evaluate from an IPC angle the environment in which these procedures are performed

### Method

Audit of structure, resources and procedures addressing 4 dimensions:

- ❑ **Organization**, room architecture and equipment (53 criteria)
- ❑ **Cleaning** procedure and equipment maintenance (42 criteria)
- ❑ **Professional practices** (dress code, hand hygiene) **and training** (43 criteria)
- ❑ **Patient : pathway, information and preparation** (17 criteria)

Data collected on an observational and declarative manner

Scores were calculated by theme (each criterion counted for 1 point).



**Inclusion criteria:** Room within hospital/clinical facility and outside the OT



**Exclusion criteria:** room with endoscopy only, invasive procedures performed without sterile gloves or requiring hospitalization or an anaesthetist and patient bedroom



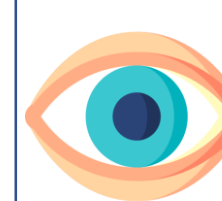


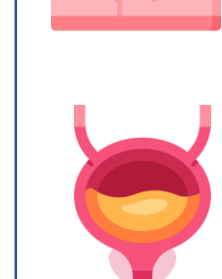
**Period:** From 06/07/2023 to 12/01/2024

### Results



15 hospital/clinical facilities, 40 Rooms audited

**17 Specialities identified**  
Among the **40 autited rooms**

-  Ophthalmology 33% (n=13/40)
-  ENT 27% (n=10/40)
-  Dermatology 20% (n=8/40)
-  Urology 15% (n=6/40)

**173 different procedures listed**

-  Excisions 25% (n=43)
-  Biopsies 11% (n=19)



#### Ventilation:

- OT like: 20% (8/39)
- **Mechanical: 80%** (31/39)
- Opening window 61% (19/31)



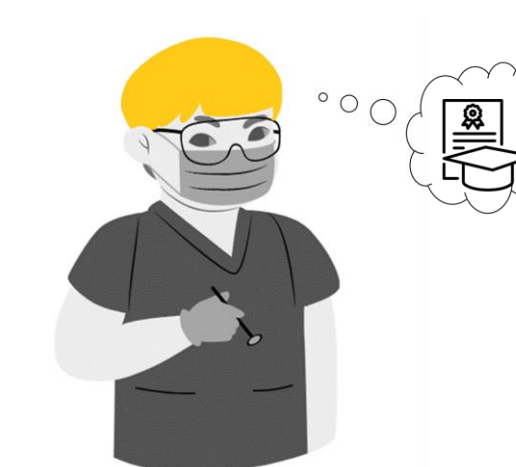
#### Hand hygiene

- Surgical scrub sink: 32% (13/40)
- Surgical hand hygiene at the beginning of a shift: 32% (20/38)
- **Surgical hand disinfection before each procedure: 33%** (13/39)



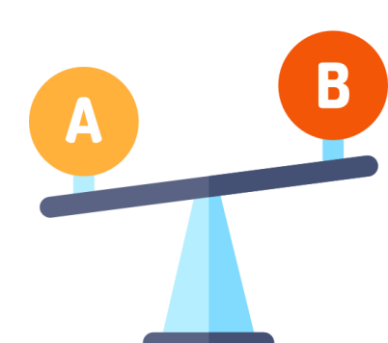
#### Patient pathway:

- **Explanation of skin preparation** to patients in **72%** (34/47)
- Documentation provided in 44% (19/43)
- Visual check of cleanliness of work area 96% (45/47)



#### Training received by teams:

- 67% on infection prevention (26/39)
- **56% on skin preparation** (20/36)
- 40% in circulator roles (13/32)



#### Comparisons between public and private facilities

Of the 17 scores, only those with a statistical difference are displayed

Global scores by thematic	Public	Private	
Ventilation	3.5/7	1.5/7	p<0.01
Room architecture	10/11	8/11	P<0,01
Room equipment	7/7	4/7	p<0.01
Patient pathway	13/17	8/17	p<0.01

### Summary/ Highlights

- This survey confirms the **wide variety of surgical procedures** performed in OBS, and the context in which they are carried out.
- **Public facilities** appear to be **more equipped to prevent infection risk** in OBS. One perspective is to audit OBS outside hospital settings.
- **Area of improvement : hand hygiene, training and professionals dress, patient information and preparation.**
- Prospects: creation of tools on the patient pathway and training of professionals, reflection on which level of hand hygiene is required.

### References

Cpias Pays de la Loire. 'Practical Guide - Prevention of infectious risk in surgical procedures outside the operating theatre or office-based surgery'. Nantes: CPias des Pays de la Loire; 2022. 26 p.



(French)

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