



# SUPPLY DIFFICULTIES IN OXYGEN HUMIDIFIERS: AN OPPORTUNITY TO PROMOTE GOOD PRACTICE

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### What was done ?

To promote good use of oxygen humidifiers and control our consumption in a context of shortage we have drawn up a scientific explanatory

AMIENS PICARDIE	ORDONNANCE DISPOSITIFS MEDICAUX	
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### document, a procedure and a prescription support.

# Why was it done ?

May 2022 : sale discontinuation of oxygen humidifiers from one of the two manufacturers in our country, due to the constraints of MDR 2017/745. The other one reserves its products to hospitals with marketing partnerships.

We had to define indications and prescriptions to control consumption in our hospital.

## How was it done ?

Working group : pharmacists, resuscitators, pulmonologists and nurses + scientific literature and respiratory medicine learned societies' recommendations

Suppression of services' allocations for humidifiers &

RESCRIPTEUR	Prescription details :	Patient S ID
	department, date, prescriber	
	numidificateur d'o AK®/RESPIFLO®	
MD description <b>A F</b>	'AXER au 87155	
<b>DESCRIPTIF PRODUIT :</b> Un humidificateur se compose d'un fla d'oxygène et le dispositif d'administr concentration). Il humidifie les gaz res assèchement inconfortable. Il se branche	ration d'oxygène bas débit (ma piratoires, et donc des voies aé	asque simple, venturi ou haute riennes, pour les préserver d'un
NOM COMMERCIAL (et référence): RESPIFLO® (MEDTRONIC) 34 RESPIFLO® (MEDTRONIC) 50 AQUAPAK® (MEDLINE) 340mi AQUAPAK® (MEDLINE) 650mi	0mL (ref. 2510F) Code pharmaci L (ref. 003-40F) Code pharmacie	ie 709841 709620
<ul> <li>OXYGENATION AU MASQUE</li> <li>Débit ≥ 5L/min et :</li> <li>Muqueuse nasale ou buccale</li> <li>Congestion des écoulements</li> <li>Epistaxis</li> </ul>	<i>irritée</i> 5L/min • and upper respire as nose bleeding • nasal discharge c	atory tract lesions such ,
* OXYGENATION VIA CATHETE	R TRANS-TRACHEAL	
Tous débits	Pat	ient with tracheotomy
* OXYGENATION POUR PATIEN	IT DE REANIMATION NE	<u>ONATALOGIE</u>
Tous Débits	Ρ	Paediatric patient
<ul> <li>Dans les situations suivantes, les humidifice</li> <li>Patient en air ambiant</li> <li>Patient sous lunette à oxygène</li> <li>Patient oxygéné au masque avec débit &lt;</li> </ul>	Non ind	ications od use reminders

New prescription sheet (*Figure 1*)

 Good use & explanatory document : high-priority medical indications, recommendations, risk-benefit balance, circuit's montage

## What has been achieved ?

#### **Restricted indications**

- Paediatric patients,
- Patient with tracheotomy
- Patients with oxygen flow rate above 5L/min AND
  - Upper respiratory tract lesions such as nose bleeding,
  - Or nasal discharge congestion,
  - Or nasal mucosa's irritation or lesions.

SIGNATURE :

#### **Figure 1 : Oxygen humidifier prescription**

Mean consumption before the new procedure: 1415 units per month Mean consumption with the new procedure : 39 units per month

12 (8.7%) out of 138 prescriptions were denied:

- 6 patients on ambient air,
- 4 with nasal cannula,
- 1 without any severity criteria

1 not nominative prescription

### What's next?

This **collaborative and multidisciplinary work** enabled to change practices. Supply difficulties, initially seen as challenging, are a **great opportunity to promote good use**, and **secure patient care**. Although they have now been resolved, with a new supplier, **we maintain our measures to ensure patients' security and well-**

being.



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