

# Evaluation d'un logiciel de « suivi patient » innovant en chirurgie ambulatoire



QUALIVEIN



Dr Olivier CRETON  
Clinique CHARCOT



*QUALITE INTERNE*  
**ORGANISATION DES SOINS**



*QUALITE EXTERNE*  
**STATISFACTION PATIENT**



# PROBLEMATIQUE

## « FAST TRACK » VARICOSE VEIN SURGERY

**Evaluation of the pain in varicose vein surgery under tumescent local anaesthesia using sodium bicarbonate as excipient without any intravenous sedation**

*Phlebology* 2012;**27**:368–373

**D Creton, B Réa, P Pittaluga, S Chastanet and F A Allaert**  
Vascular Surgery Center, EC. A. Paré, Rue A. Paré, Nancy 54000, France



## CAHIER DES CHARGES

Lien ville - hôpital  
« Expérience patient »  
Sécuriser la prise en charge  
Amélioration des pratiques  
*Recherche clinique*

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51% de reprise du travail à J1  
IJ moyennes de 10 jours

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# INTERFACE PRATICIEN

vidéo

# INTERFACE PATIENT

vidéo

# STATISTIQUES INDIVIDUELLES

vidéo

# STATISTIQUES GLOBALES

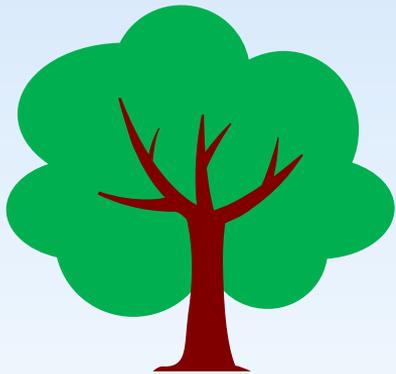
vidéo



Deux ans d'utilisation

1912 interventions

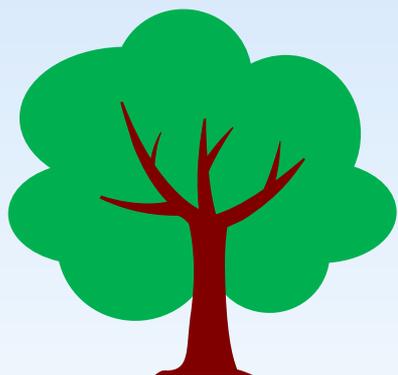
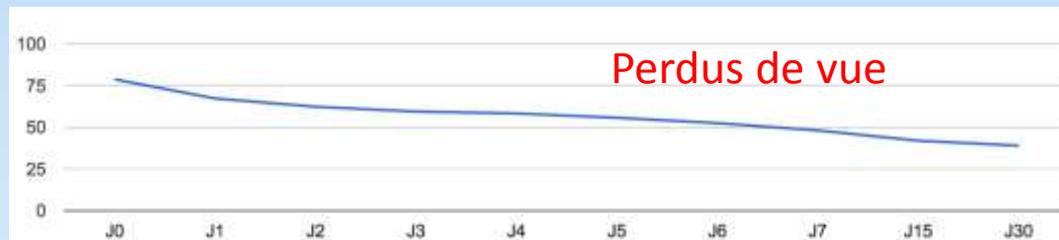
71% d'inclusion



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Deux ans d'utilisation

Adhésion et Satisfaction



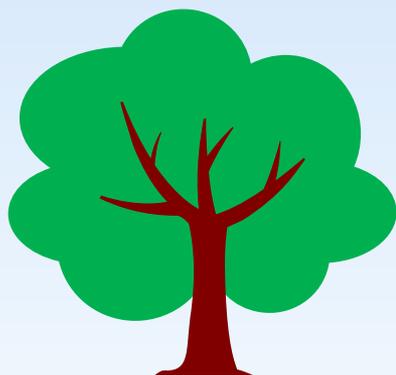
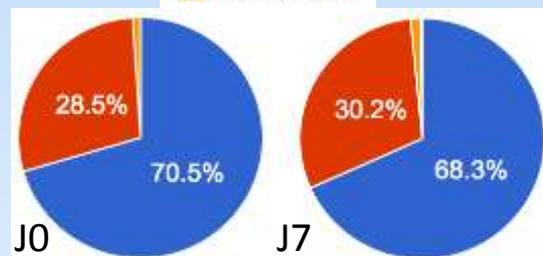
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# Deux ans d'utilisation

## Adhésion et Satisfaction



■ Très satisfait  
■ Satisfait  
■ Pas satisfait



**QUALIVEIN**



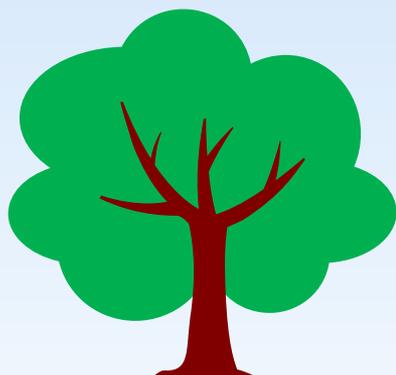
Deux ans d'utilisation

Adhésion et Satisfaction

Sécurisation du parcours patient

85 alertes « douleur »: 4,5%

48 alertes « saignement »: 2,5%



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### DOULEUR



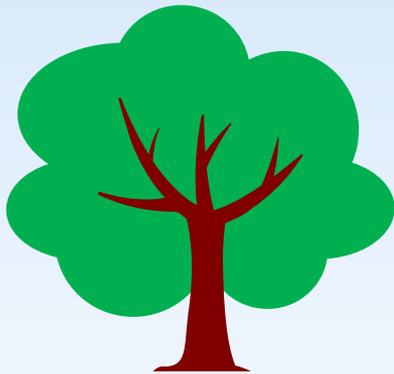


Deux ans d'utilisation

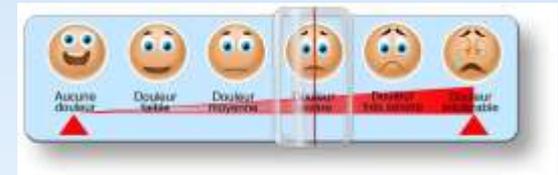
Adhésion et Satisfaction

Sécurisation du parcours patient

Amélioration des pratiques



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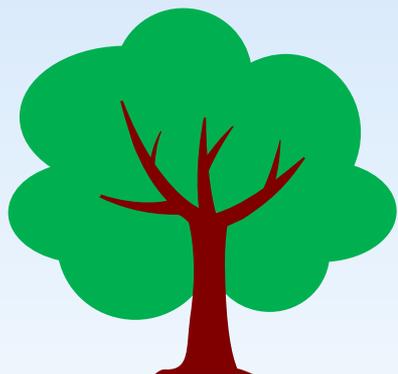
Deux ans d'utilisation

Adhésion et Satisfaction

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Amélioration des pratiques

Recherche clinique



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**PROSPECTIVE FOLLOW-UP OF 707 VARICE SURGERY CARRIED OUT UNDER LOCAL TUMESCENT ANESTHESIA WITH THE HELP OF AN INNOVATIVE "PATIENT FOLLOW-UP" SOFTWARE.**

Dr O CRETON<sup>1</sup>  
Dr D CRETON<sup>2</sup>  
Pr FA ALLAERT<sup>3</sup> Françoise Ansel<sup>4</sup>

**INTRODUCTION**  
Varice surgery under local tumescent anesthesia is well controlled. We have evaluated the feasibility and short term quality of the software follow-up was carried out thanks to an innovative "patient follow-up" software.

**GOAL**  
The goal of this study was to demonstrate the feasibility and effectiveness of this kind of anesthesia as well as to evaluate the quality of postoperative recovery by using the data collected thanks to the follow-up software "Qualivein".

**MATERIAL AND METHOD**  
This feasibility prospective study regarding 600 patients and 707 operations was carried out from January 1st to December 31st 2014. All the patients operated on for varice under tumescent local anesthesia with or without sedation and having a valid email address were included. Postoperative data were collected thanks to a software that was sending questionnaires to these patients, starting on Day 0 to Day 7 then from Day 15 to Day 30 and asking questions about pain, bleeding, functional capacity and satisfaction.

**RESULTS**  
In 77.7% of the cases, local tumescent anesthesia was carried out without any sedation. On average, 20 phleboscans were performed and in 69% of the cases, general or a light sedation was carried out. There were no postoperative fatalities. Postoperative pain was very mild and the patients were very satisfied with their care (surgery). In multivariate statistical analysis, age was a factor of less postoperative pain, the use of sedation was a factor of greater postoperative pain.

**CONCLUSION**  
Varice surgery under tumescent local anesthesia can be safely carried out with or without sedation. It gives excellent immediate results in terms of pain and satisfaction. The evaluating data processing tool that is used is a very useful and reliable medical data collection.

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<sup>3</sup>CHU de Clermont-Ferrand, CHU de Saint-Etienne, [faallaert@chu-clermont.fr](mailto:faallaert@chu-clermont.fr)  
<sup>4</sup>CHU de Clermont-Ferrand, CHU de Saint-Etienne, [françoise.ansel@chu-clermont.fr](mailto:françoise.ansel@chu-clermont.fr)



SUIVI PROSPECTIF DE 707 INTERVENTIONS DE VARICES REALISEES SOUS ANESTHESIE LOCALE TUMESCENTE A L'AIDE D'UN LOGICIEL INNOVANT

Dr O CRETON (Ste Foy Les Lyon)  
Dr D CRETON (Nancy)  
Pr FA ALLAERT (Dijon)

XXXème congrès de la SCV





Deux ans d'utilisation

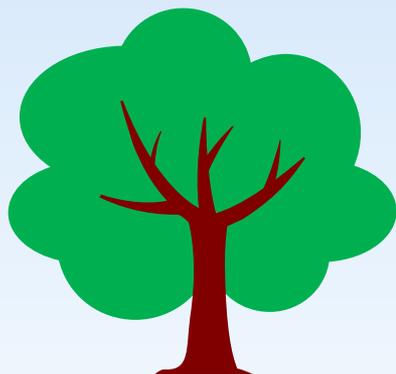
Adhésion et Satisfaction

Sécurisation du parcours patient

Amélioration des pratiques

Recherche clinique

Reconnaissance



QUALIVEIN



Prix de l'engagement  
12<sup>ème</sup> trophée de la FHP RAA



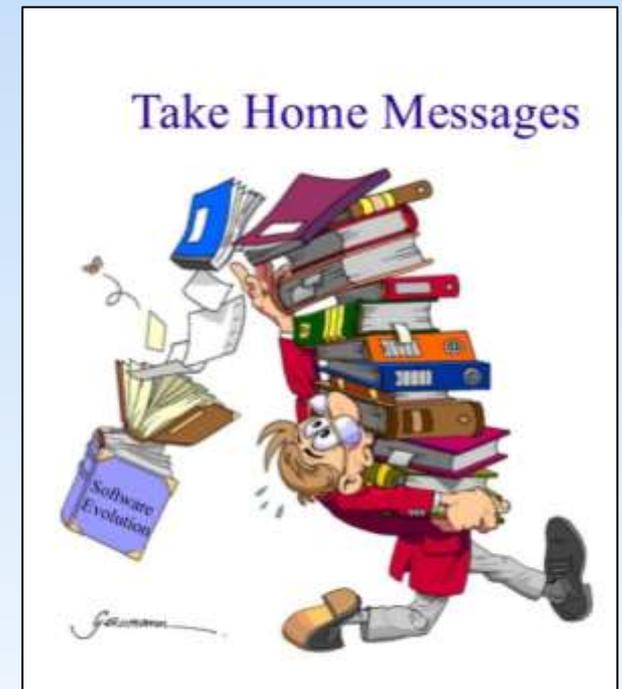
# MESSAGES

Ca marche !

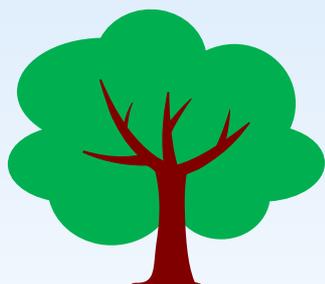
Adhésion perfectible

Amélioration des pratiques

Satisfaction



# MERCI DE VOTRE ATTENTION



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