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JUN 2019

APPAQ
Ensemble, imaginons la cardiologie de demain



Robocath
INTUITIVE VASCULAR ROBOTICS

Président-fondateur

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**L'avenir
appartient
à ceux qui se
robotisent tôt**

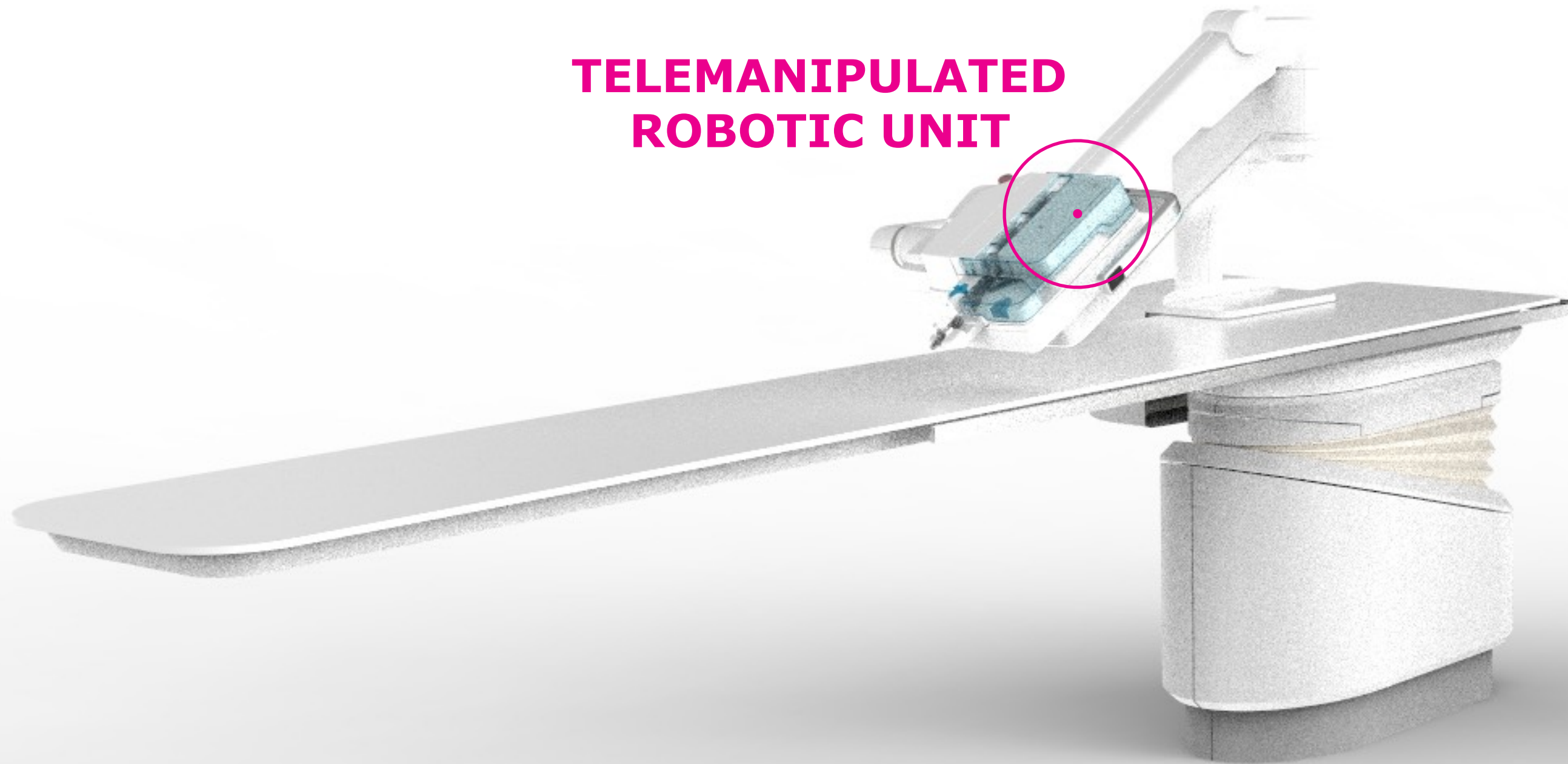
Jeudi 6 juin 2019

R-One™, plateforme d'assistance robotique dédiée à l'angioplastie Made In France

CE
2797



**TELEMANIPULATED
ROBOTIC UNIT**



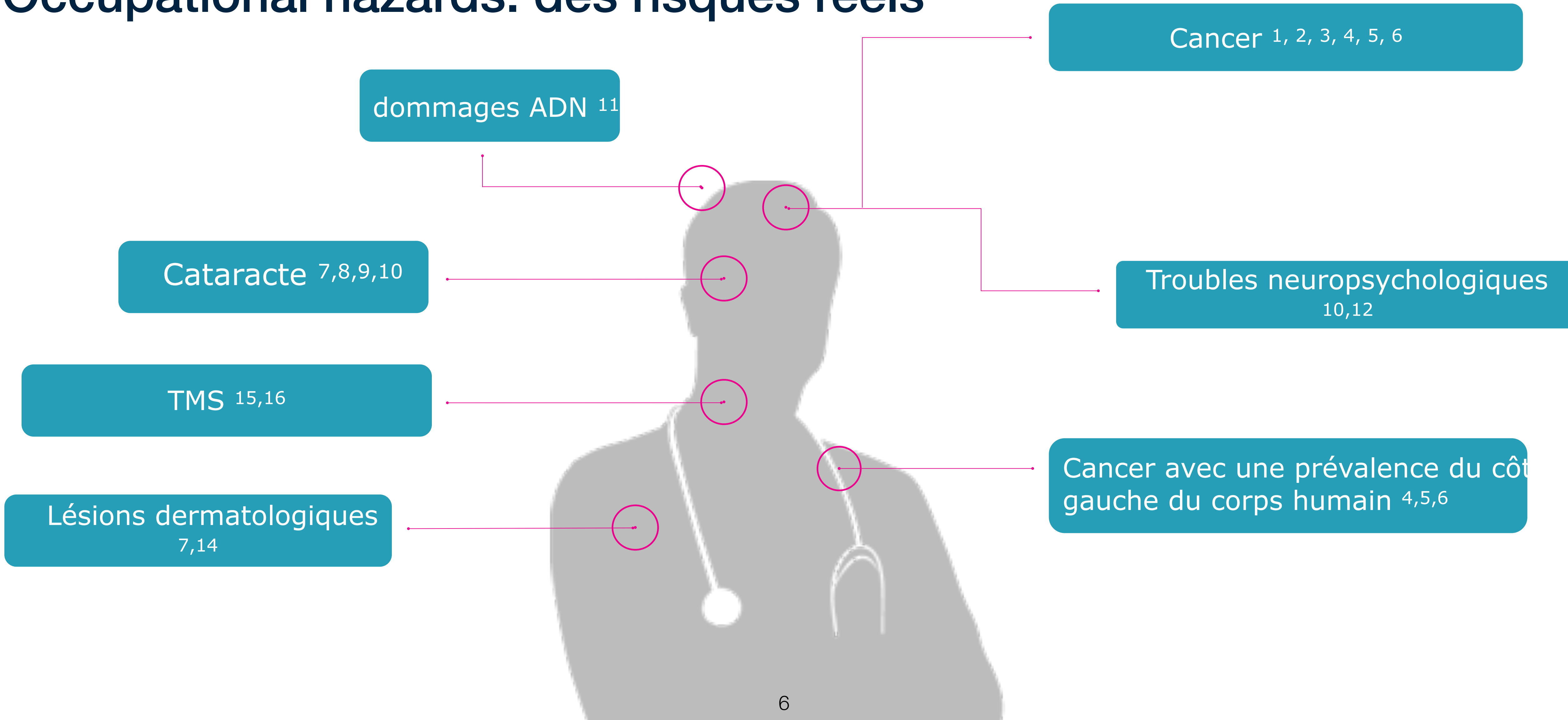
**RADIOPROTECTED
CONTROL STATION**





Pourquoi robotiser le cathétérisme?

Occupational hazards: des risques réels



Occupational hazards: des répercussions significatives



49,4% souffrent de TMS ¹⁷ :

- 34,4% se plaignent de douleurs lombaires
- 24,7% de douleurs cervicales
- 19,6% des genoux et/ou des hanches

6,9% déclarent limiter leur activité

36,4% pour ceux âgés entre 61 et 70 ans ¹⁷

9,3% ont relaté une période d'absence

35,7% pour ceux âgés entre 61 et 70 ans ¹⁷

Améliorez votre confort & sécurité

Sans robot

Temps d'exposition aux rayons X plus important

18,19,20,21

Plus de procédures complexes, vieillissement et croissance de la population, (obésité)

Protections contre les rayons X non efficaces à 100%

22,23,24,25

Taux d'exposition plus élevé par voie radiale

26,27,28,29

Taux d'exposition aux rayons X pour 100 PCIs¹³

> 2000 μGy

1 an d'exposition (approche manuelle) = 20 ans d'exposition (approche robotique)

Avec robot

Position assise

Proximité visuelle des écrans

Radio-stop®: protection totale des rayons X

Taux d'exposition aux rayons X pour 100 PCIs¹³

98 μGy

Augmentez vos mouvements



Manipulation d'un device avec une seule main

R-Grasp®: technologie anthropomorphique

R-Lock®: accès sécurisé à la lésion

Mouvements augmentés

- **Easy-Loop®: rotation continue**
- **R-Boost®: vitesse accélérée**

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Adoptez une solution **plug & play**



Courbe d'apprentissage rapide

Compatible avec tous les guides et stents/ballons leaders du marché

Compatible avec tous les Y de type push-pull

Compatible avec tous les systèmes d'imagerie

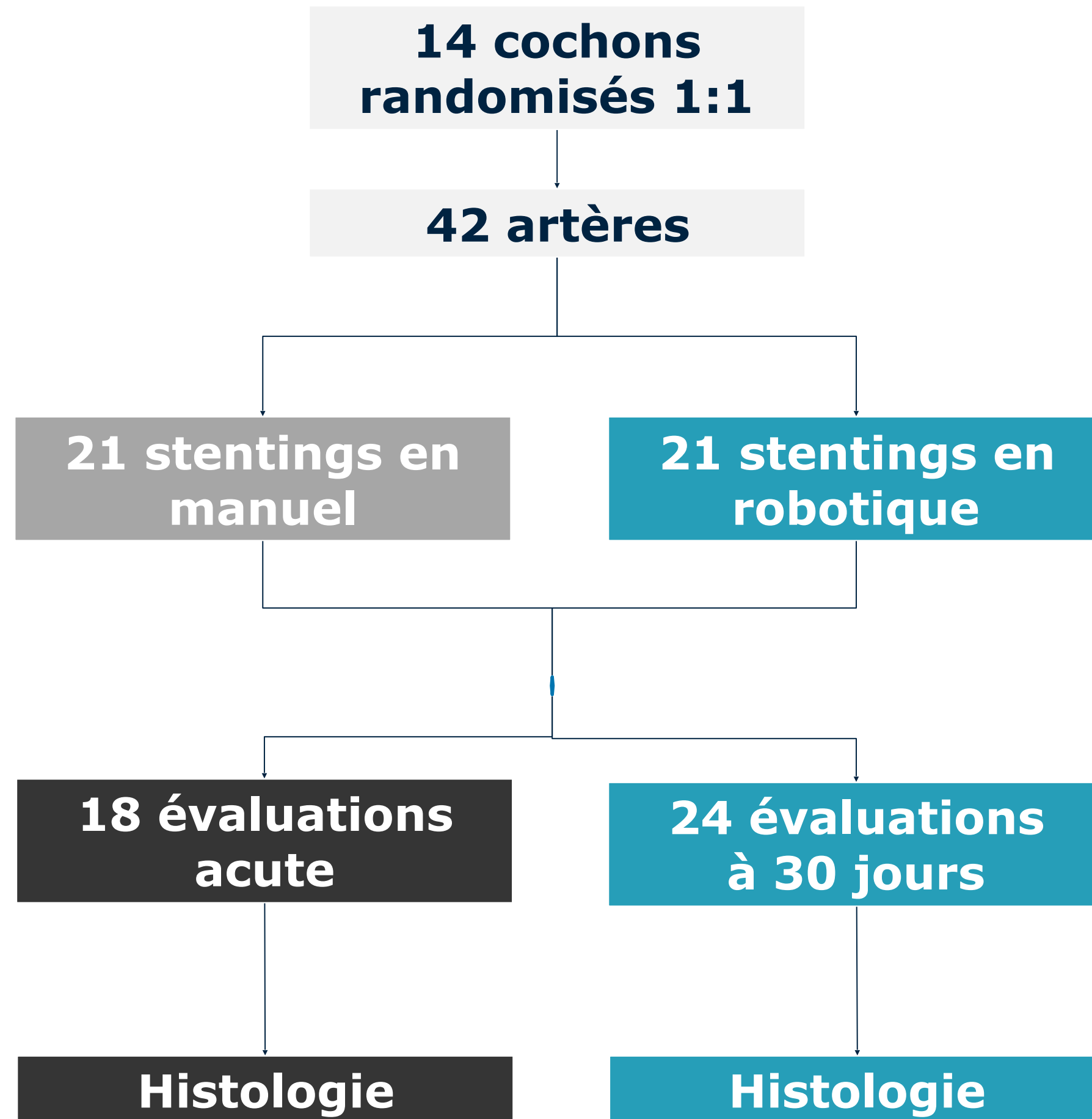
Easy-Click®: mise en place rapide du consommable

Accès radial et fémoral (gauche et droit)



Quels résultats cliniques?

Des résultats pré-cliniques très satisfaisants



Résultats*

- 100% de succès technique
 - Courbe d'apprentissage rapide
 - Temps de procédure : 1 minute de différence seulement entre les 2 groupes
- **Pas de MACE**
 - **Pas de dommage artériel**

*Poster EuroPCR, Mai 2018

Next step : l'étude **R**-evolution conduite en Europe

- Design: prospective, multicentrique à 1 bras
- Population: 60 patients (10 patients par centre)
- Centres: 6 centres
- Indication: de novo, single lesion PCI
- Primary endpoints: confirmer la safety et la performance
- Début de l'étude: Q3 2019



Dr. P. SMITS
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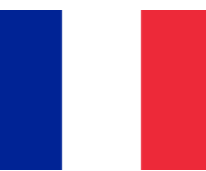
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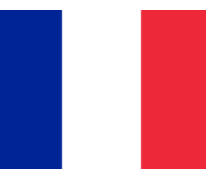
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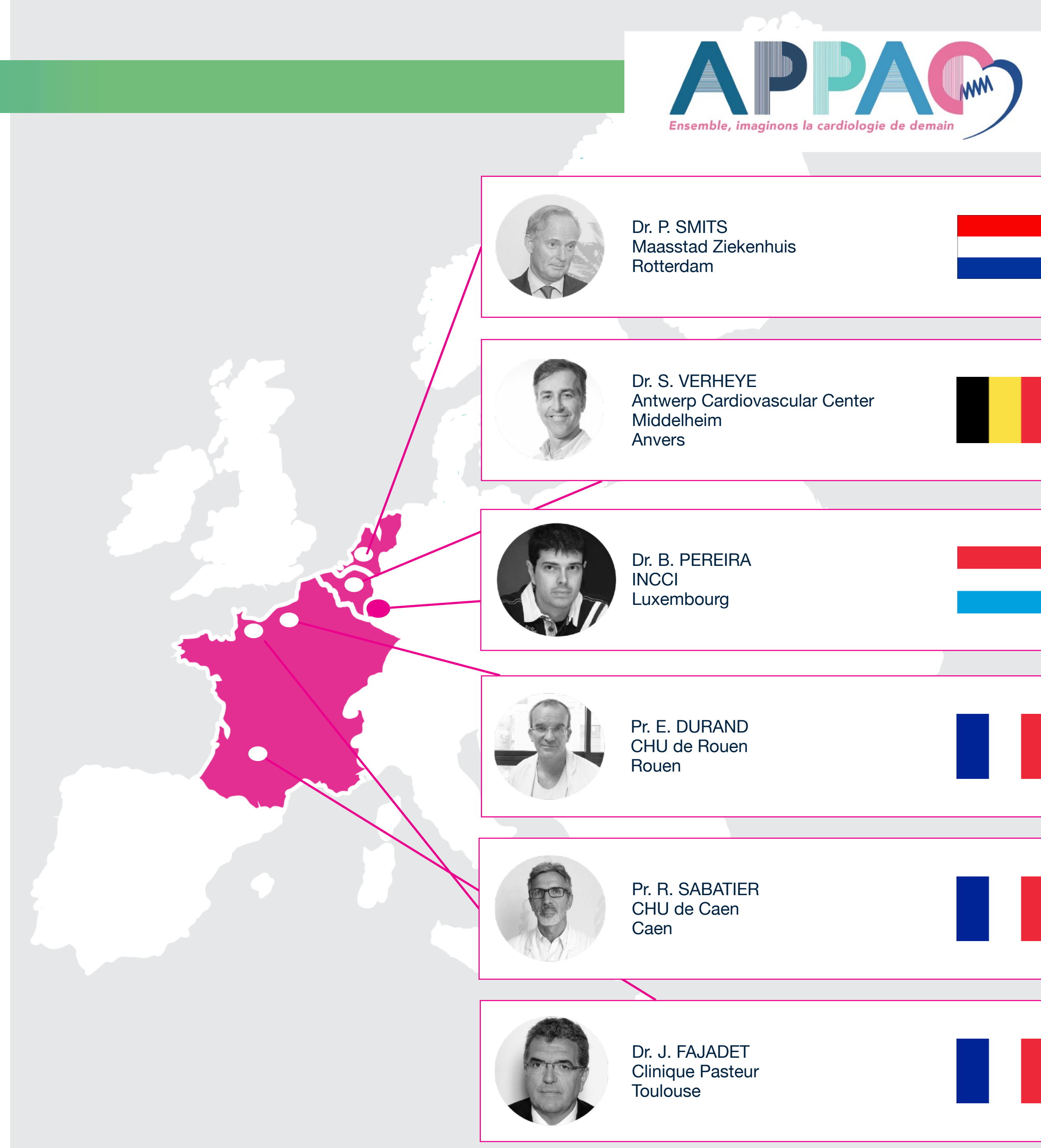
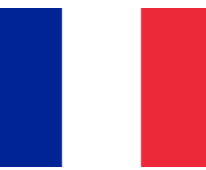
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Une réponse à plusieurs besoins

PATIENTS



72%

considèrent la chirurgie robotique
comme plus sûre et offrant de
meilleures résultats ³⁰

CARDIOLOGUE



84%

considèrent que de meilleures
conditions d'interventions
(confort, sécurité, précision)
bénéficieront indirectement
aux patients ³¹

HÔPITAUX



**+29
%**

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**Merci de
votre attention**