

# Traitement endoscopique de l'emphysème

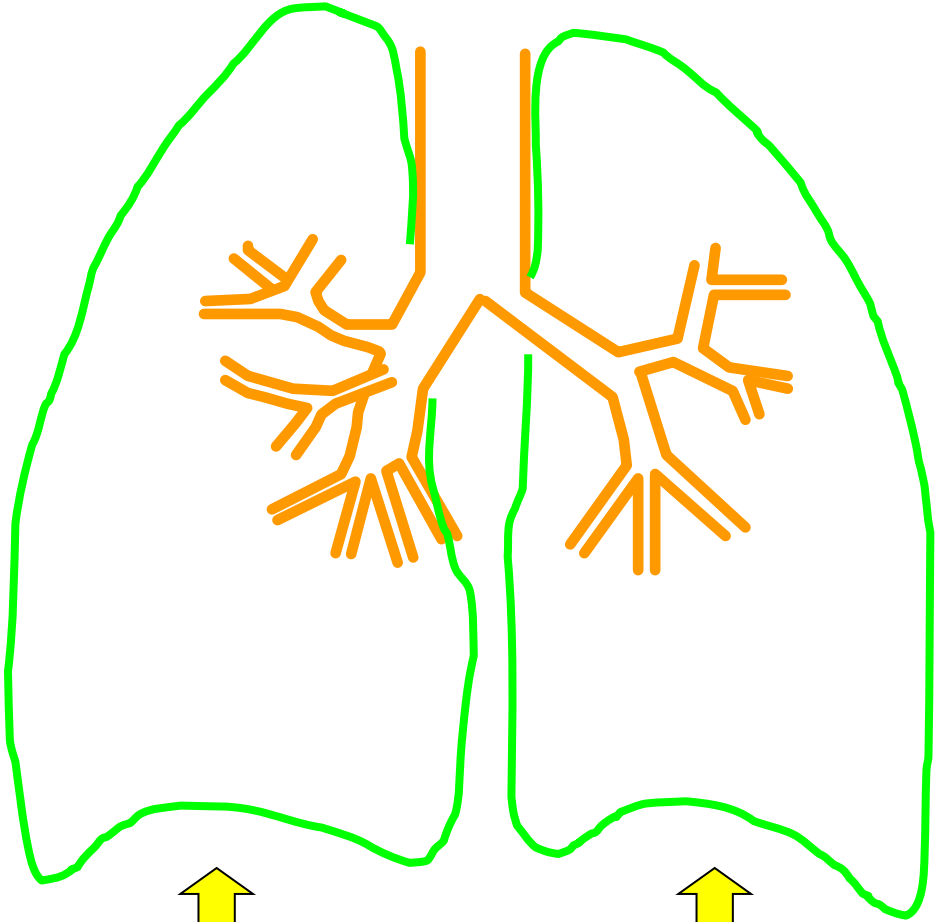


**Pr Charles-Hugo Marquette**

# Bases physiopathologiques de la réduction volumique

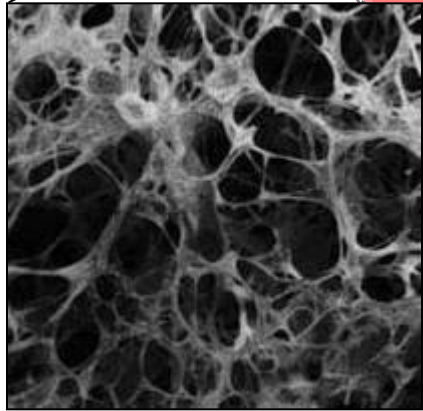
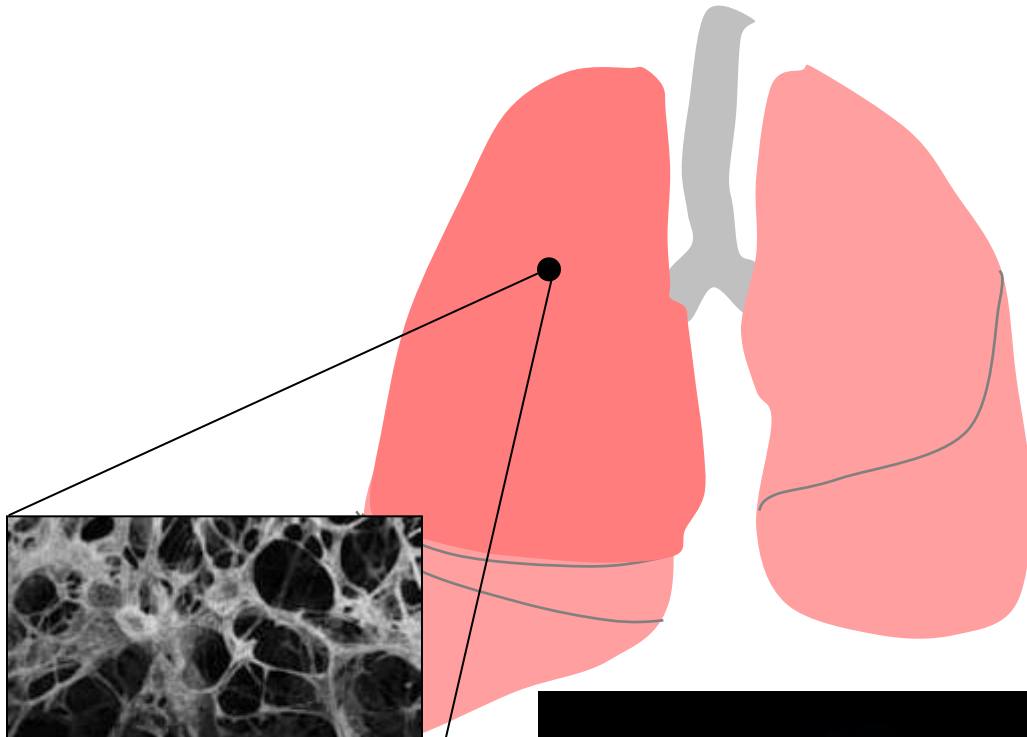


**hyperinflation**

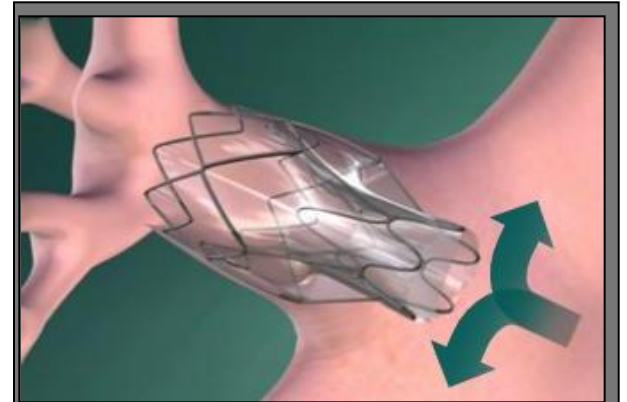


**reconformation  
diaphragmatique**

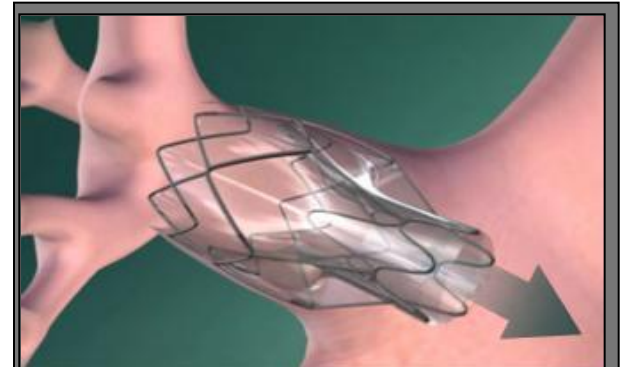
# Valves endobronchiques unidirectionnelles mécanismes d'action



one-way valve implanted in airway

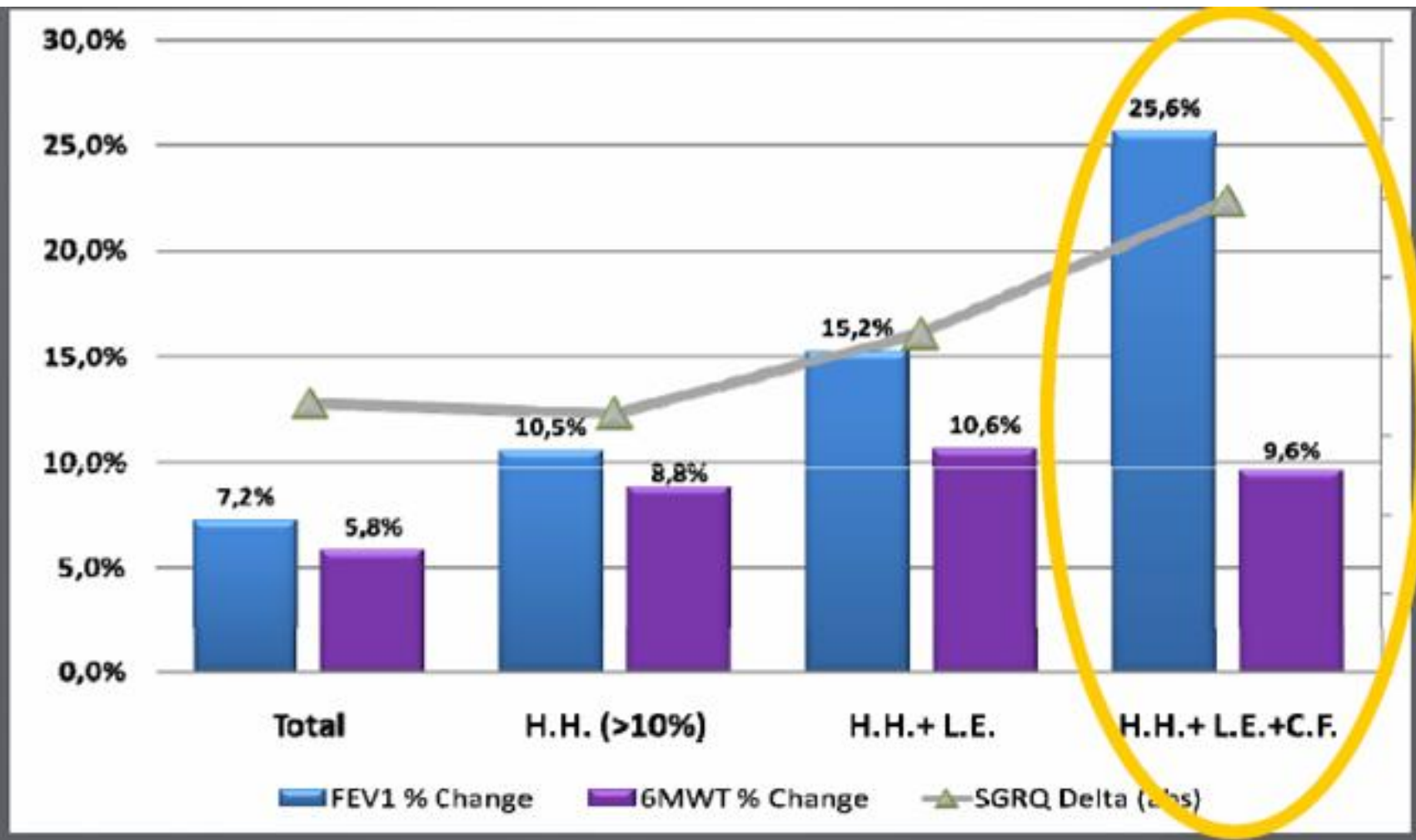


Empêche l'air de rentrer  
dans les zones malades



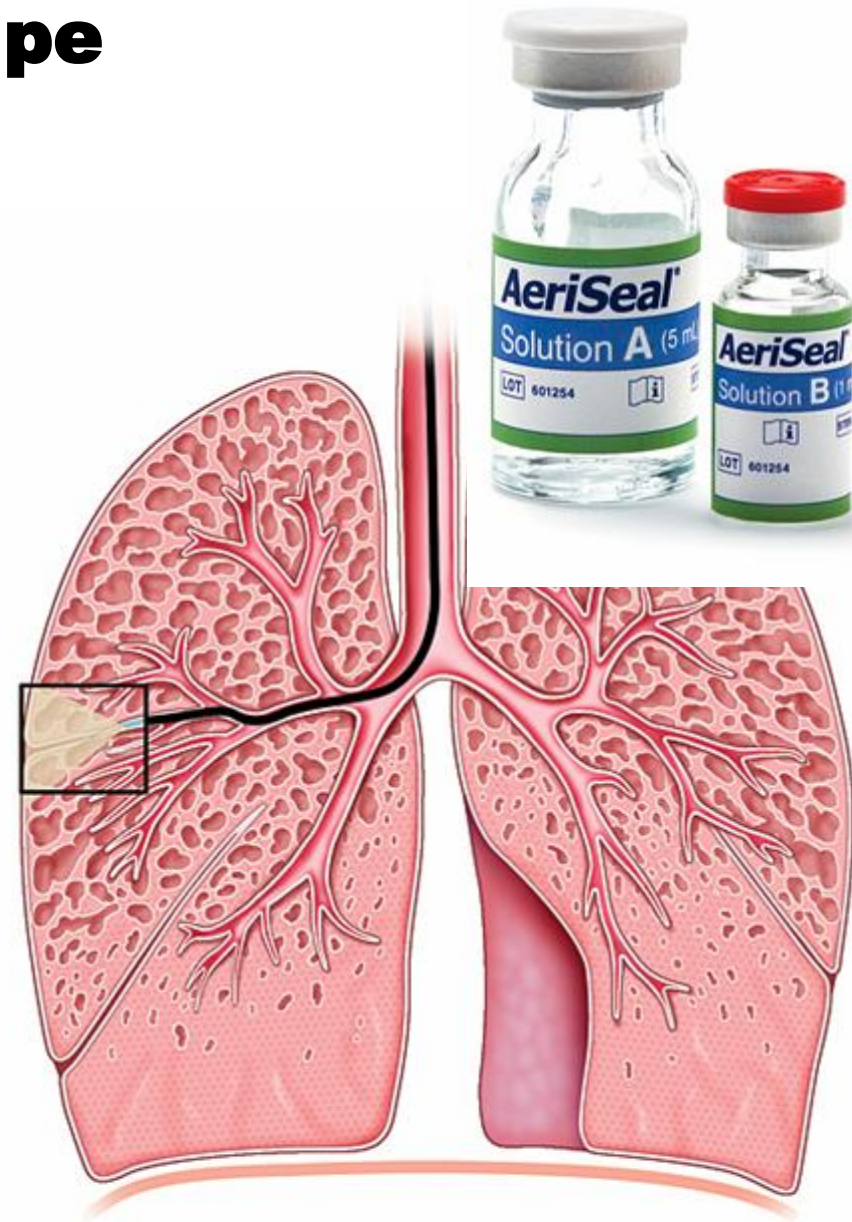
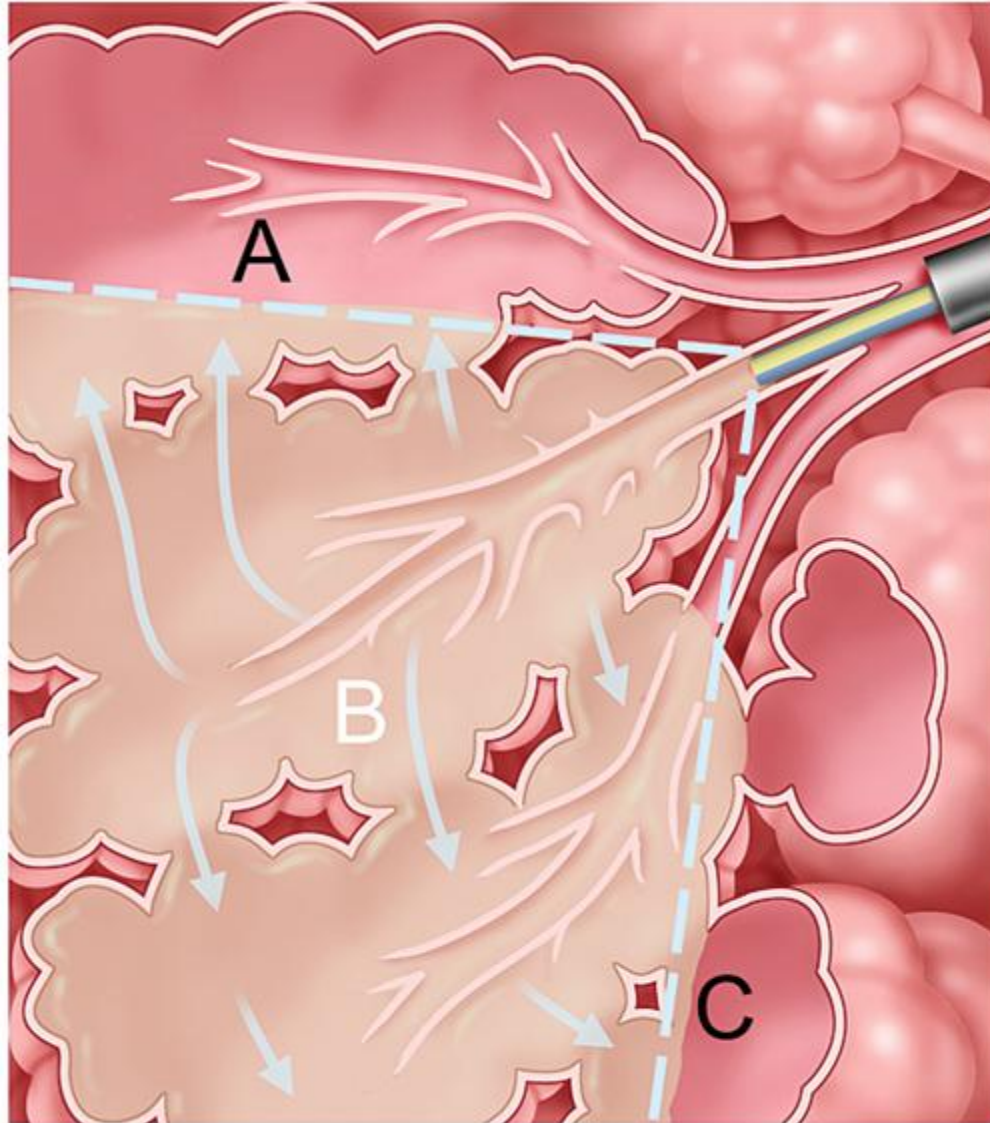
Permet à l'air de s'échapper  
des zones malades

# Valves

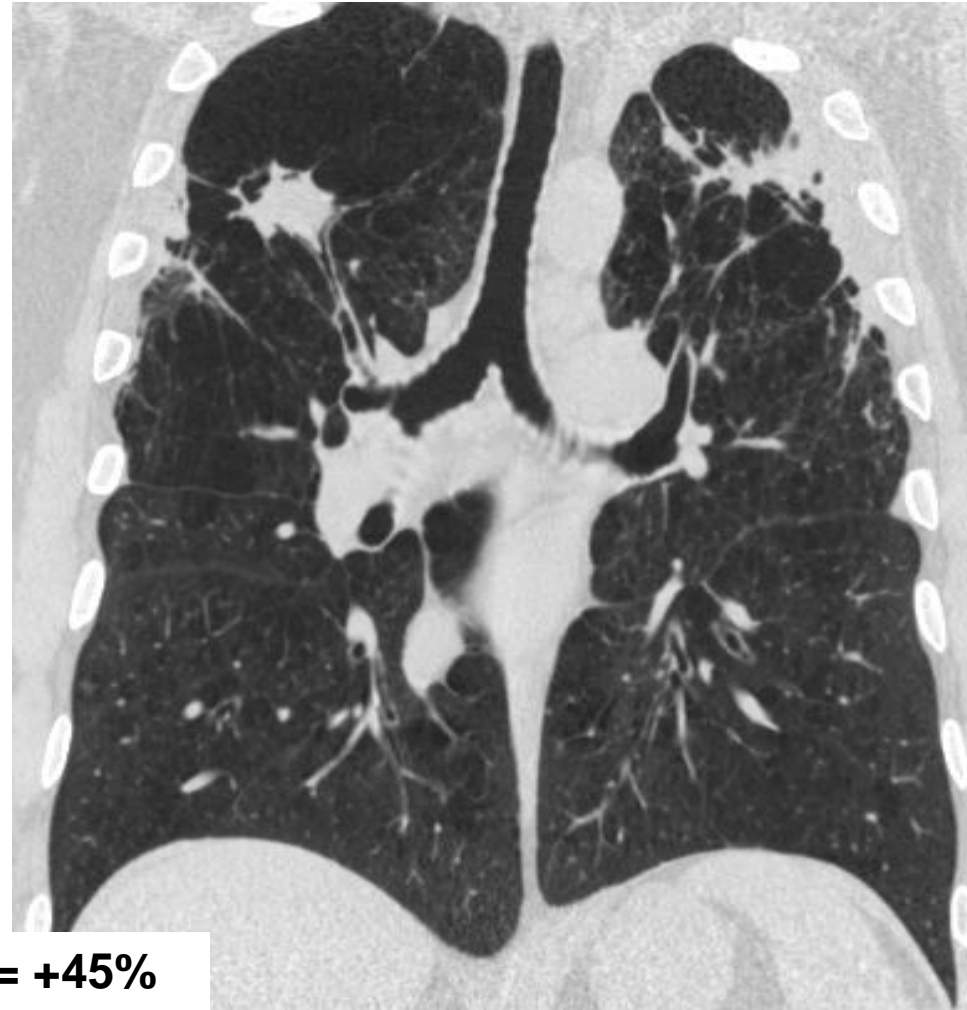
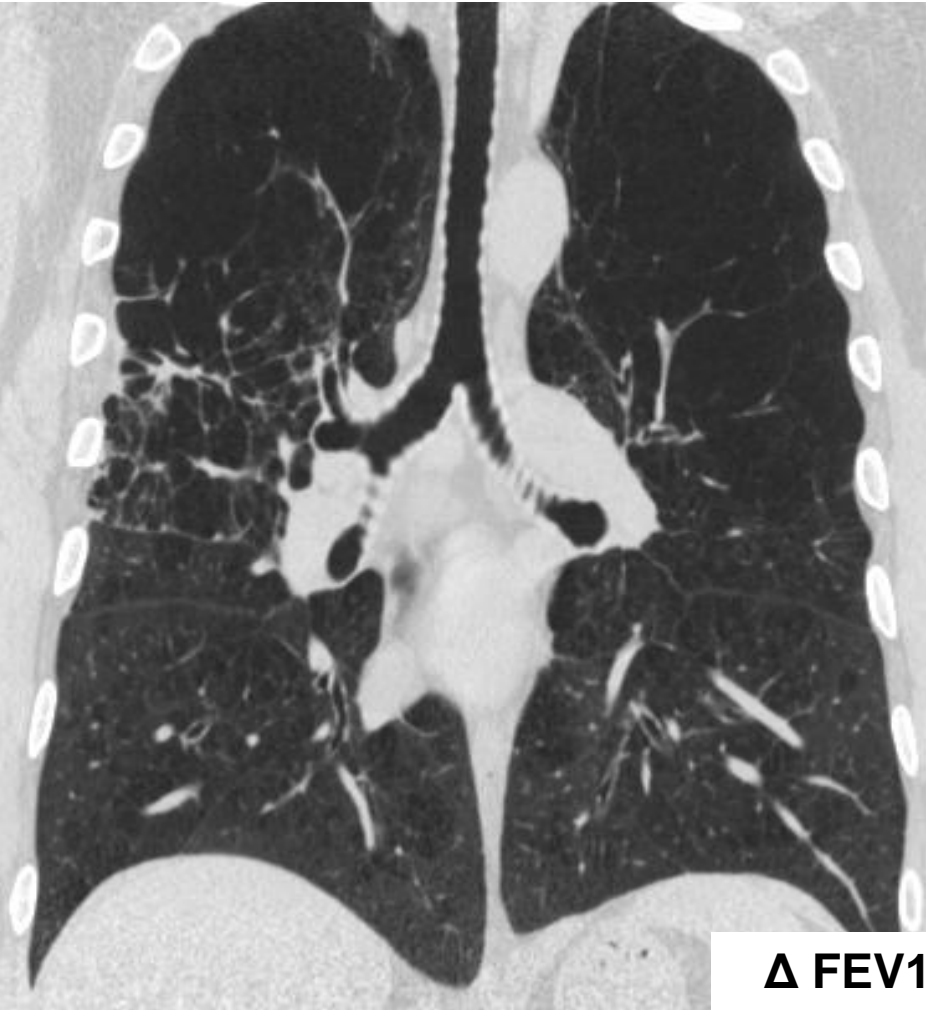


H.H. = High Heterogeneity L. E. = Lobar Exclusion C.F. = Complete Fissure

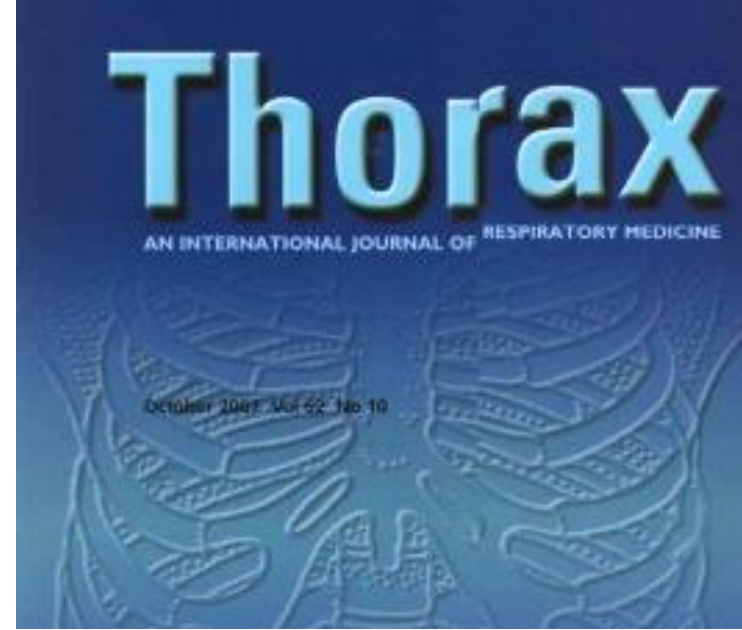
# Colle biologique - principe



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**$\Delta$  FEV1= +45%**  
 **$\Delta$  RV/TLC= -20%**  
 **$\Delta$  MRCD= -1U**  
 **$\Delta$  SGRQ= -23.7U**

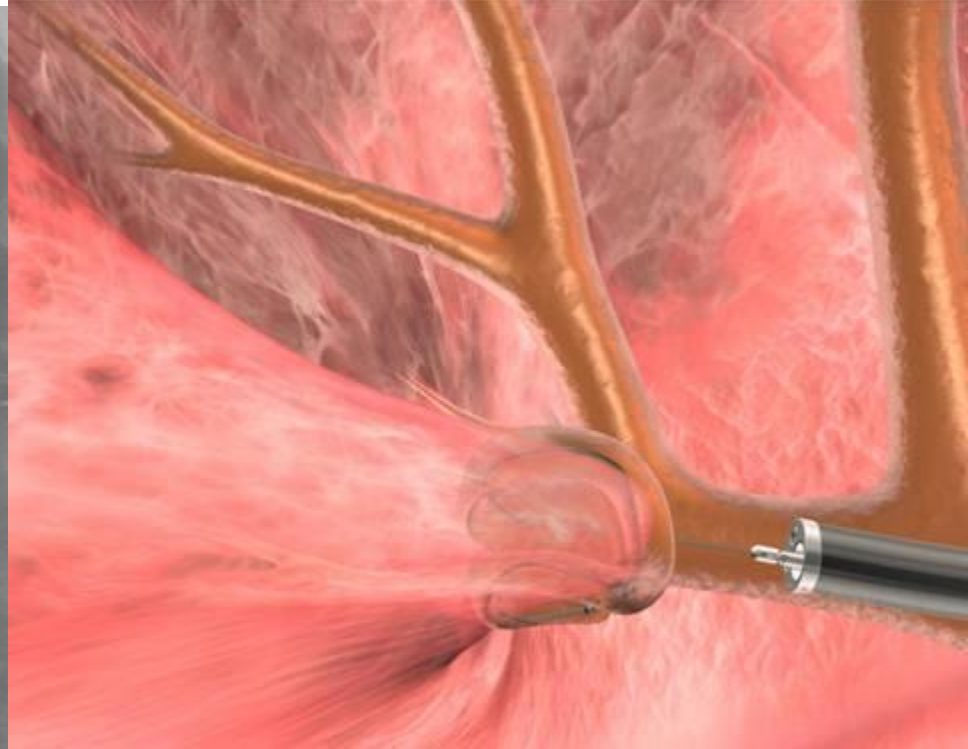
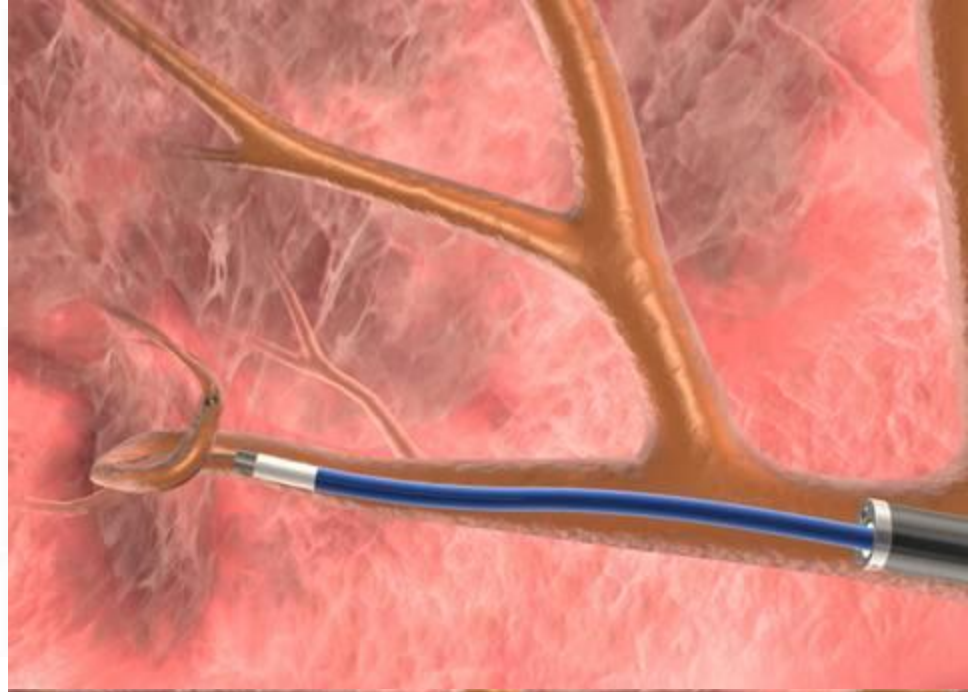


ORIGINAL ARTICLE

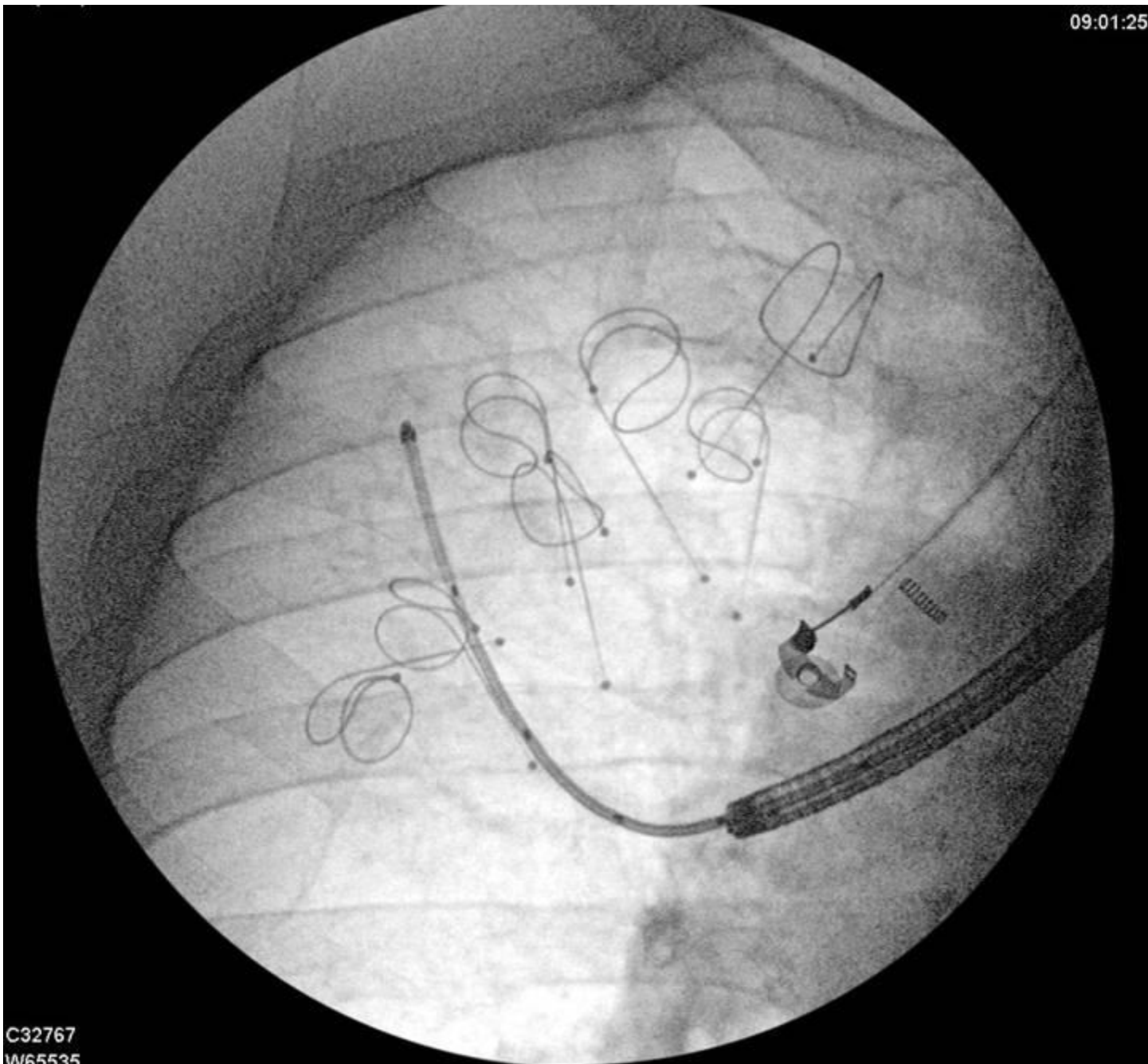
## Effect of fissure integrity on lung volume reduction using a polymer sealant\* in advanced emphysema

Helgo Magnussen,<sup>1</sup> Mordechai R Kramer,<sup>2</sup> Anne-Marie Kirsten,<sup>1</sup> Charles Marquette,<sup>3</sup> Arschang Valipour,<sup>4</sup> Franz Stanzel,<sup>5</sup> Reiner Bonnet,<sup>6</sup> Juergen Behr,<sup>7</sup> Oren Fruchter,<sup>2</sup> Yael Refaely,<sup>8</sup> Ralf Eberhardt,<sup>9</sup> Felix J F Herth<sup>9</sup>

**coils**



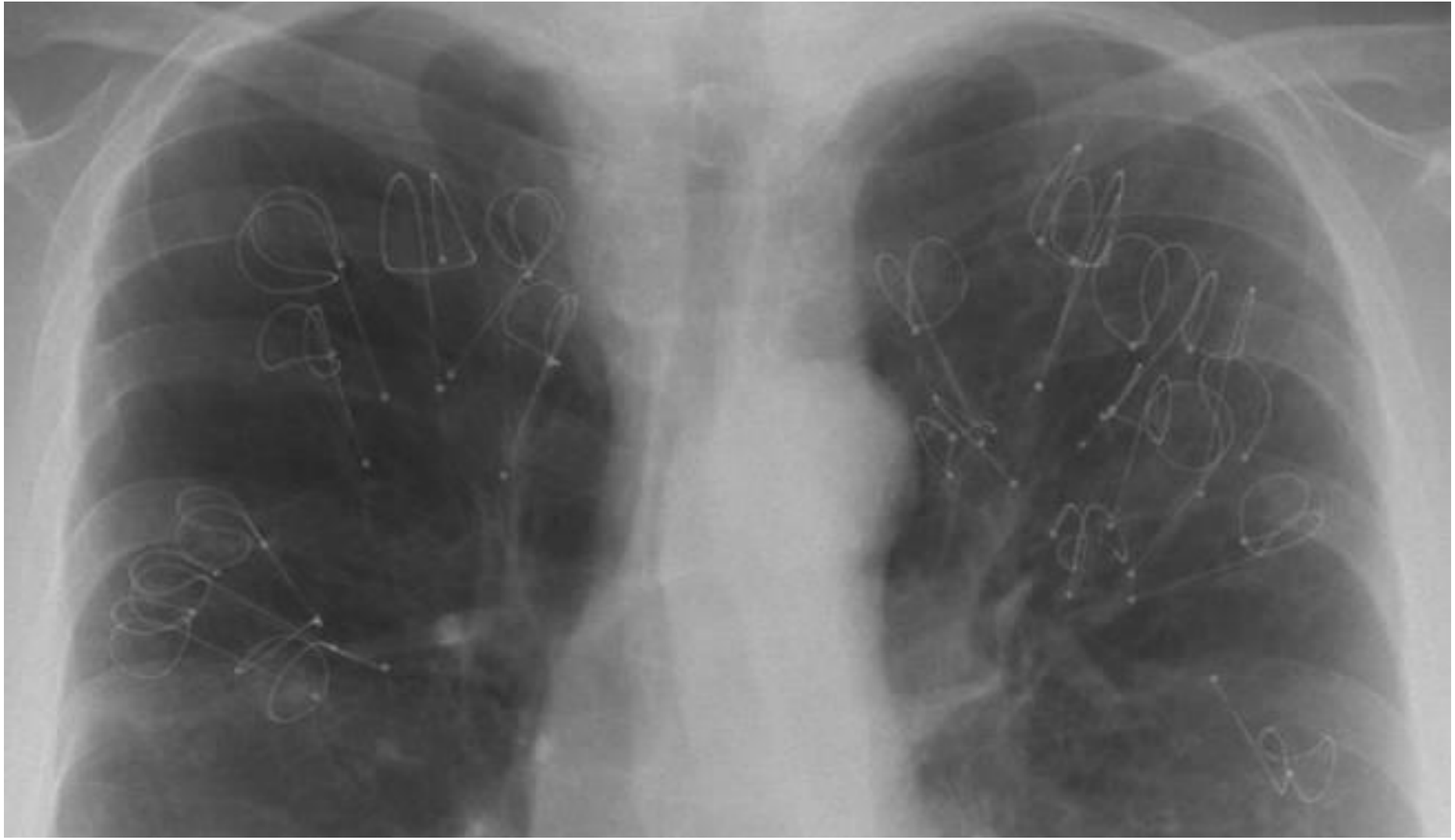




C32767  
W65535

Not for diagnostic use

# Coils - Principe



# Quels sont les patient concernés ?

- GOLD III et IV
- emphysémateux
- dyspnéiques à l'effort
- ne pas attendre ( $BODE \leq 5$  /  $DLCO > 20\%$ )

## Quelle technique proposer

- Ce qui est disponible
  - Aucune technique n'est remboursée
  - Toutes les technique ont le marquage CE