

## Background:

- Knowledge Translation (KT) is a challenge in Emergency Medicine (EM) for learned societies.
- The traditional approach based on peer-reviewed publications is insufficient as Cochrane systematic reviews (CSR).

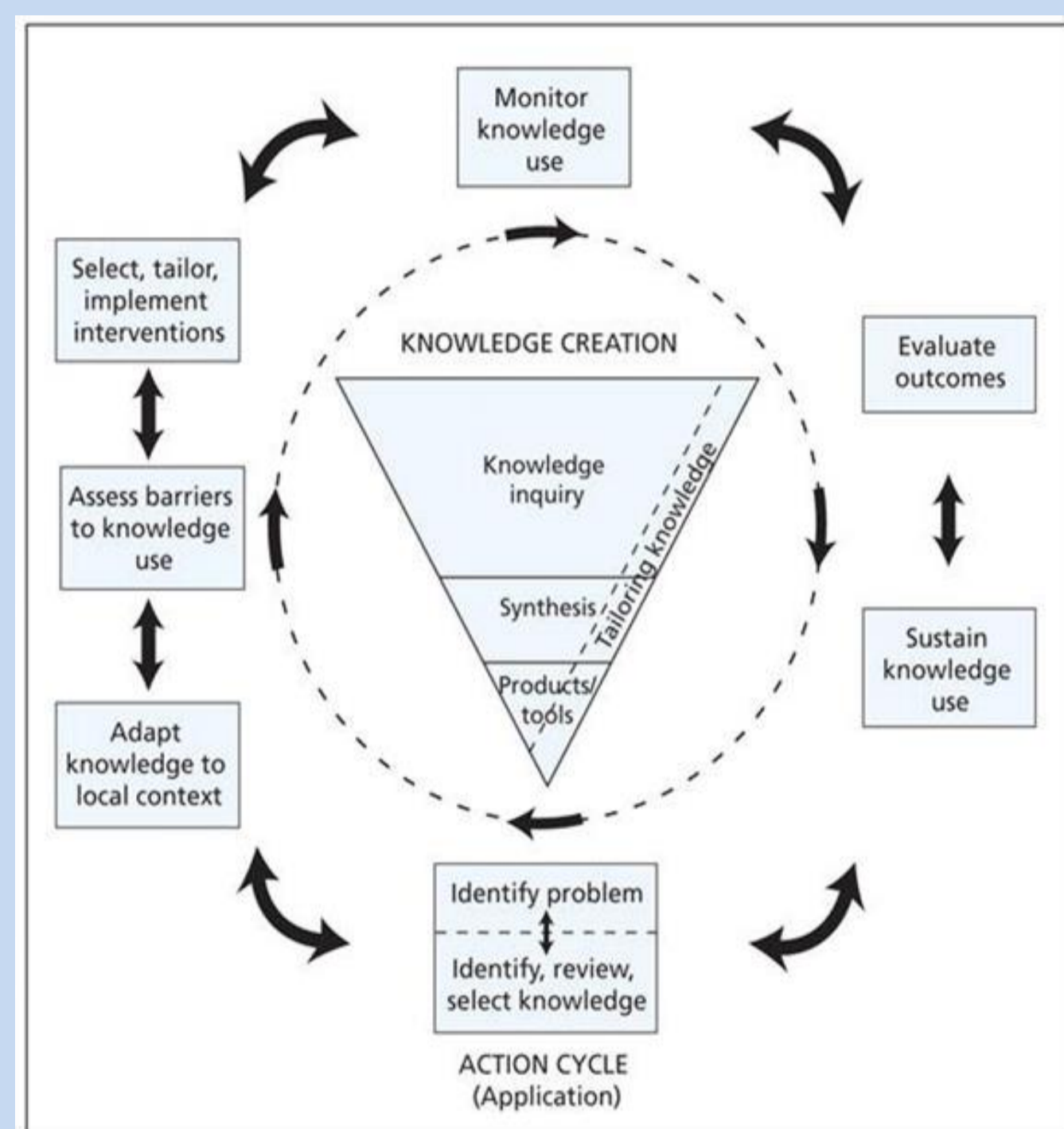


Figure 1: Sharon E, CMAJ 2009



- The Cochrane Pre-hospital and Emergency Care field (Cochrane PEC) is involved in the dissemination of relevant CSR with practical bedside implications in EM throughout several countries (Mediterranean, Western Europe).
- Since January 2017, The Cochrane PEC summarize relevant CSR for emergency physicians called "Practical Evidence About Real Life Situations" (PEARLS).

## Objectives & Methods :

- Description of Cochrane PEC multi-national approach to KT for European stakeholders.
- Assessment of the method, implementation processes.
- Results of 1/ the production and 2/ the dissemination of PEARLS.
- Methodology description and quantitative data (workload) about PEARLS diffusion.

**Results: June 2017 - February 2020**  
= 13 international collaborators pre-hospital or in-hospital  
= Various communication channels abstracts /videos  
= Workshops in partnership : regular basis / short timeframe

### 1 IDENTIFICATION of CSR relevant to EM (originality or new practical implications)

Tagging Group ( 4 members)

Proposition

The all working group

Collective Selection

### 2 PEARLS PRODUCTION (1 / month) : 135 hours

Various Couples of members

Digest production

1rst abstract

The all working group

30 working group meetings

Correction validation

Final abstract

200 words

### 3 PEARLS DISSEMINATION: 49 PEARLS published

Translation Spanish language

Translation French language

English language

Emergencias 4

Annales Françaises de Médecine d'Urgence: 29

Mediterranean Journal of Emergency medicine: 20

## CONCLUSIONS

- Cochrane PEARLS are the result of an international collaboration of dedicated emergency physicians.
- This is a very successful standardized KT model
- It is easily reproducible
- It must be enlarged
- Studying its impact on Emergency Practitioners community is the next step



Figure 2: flowchart



Figure 3: Cochrane PEC members at French EM congress (2018)

### 4 PEARLS TRANSFORMATION: 15 Various Couples of members

8-minute videos

<https://pec.cochrane.org/>

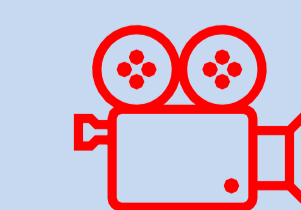


Figure 4: Abstracts in « Annales Française de Médecine d'Urgence »