

INFLAMMATORY BIOMARKERS IN FEBRILE SEIZURE:
A COMPREHENSIVE
BIBLIOMETRIC, REVIEW AND VISUALIZATION ANALYSIS

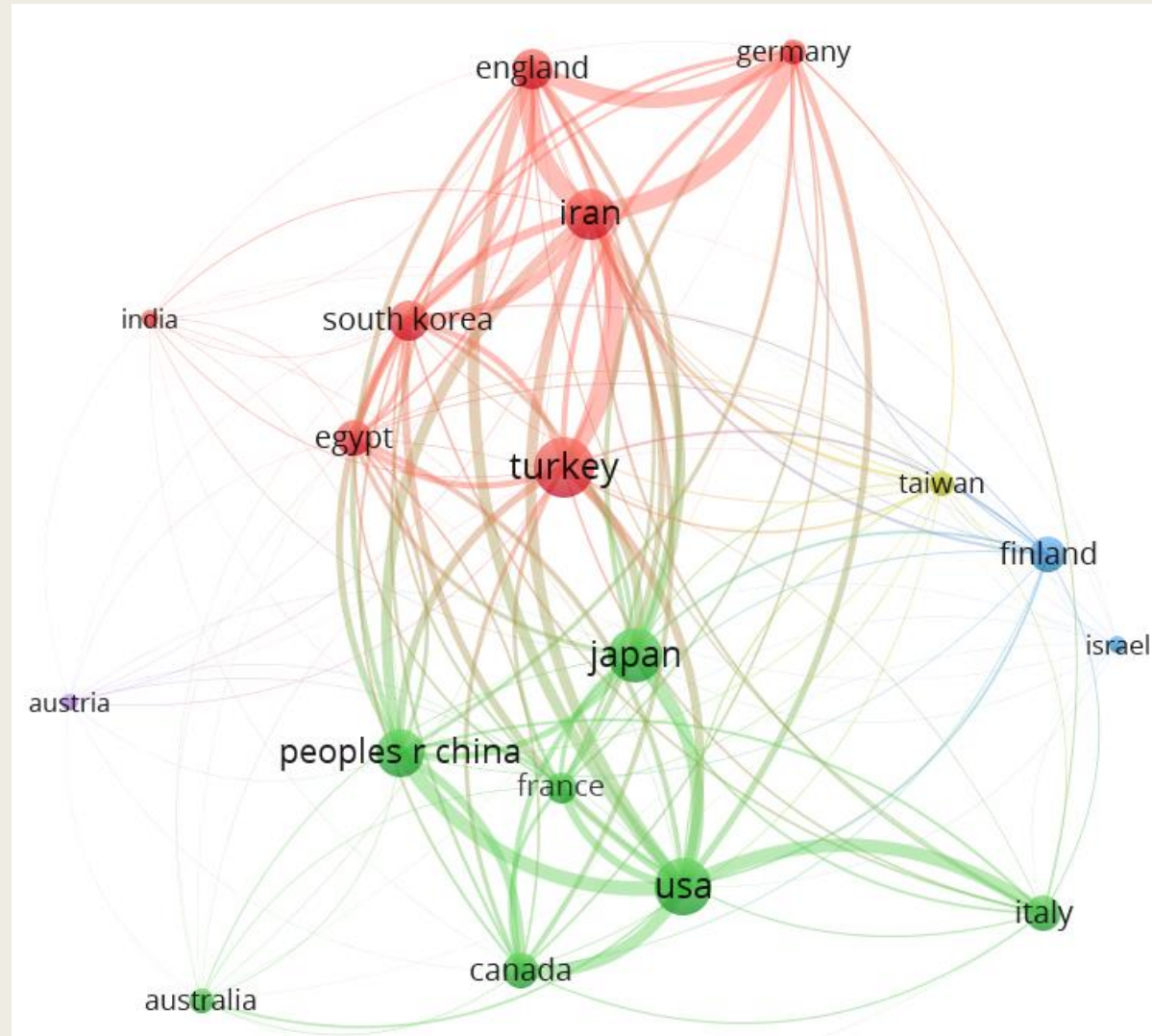
- The **cumulative number of research documents** in many research fields, in general, and particularly in febrile seizures (FS) field, is **continuously increasing**.
- Automated, interactive, flexible tools could be used by researchers to perform *systematic literature review and bibliometric analysis*.
- The current research aimed to perform a literature mining analysis on *inflammatory biomarkers (IB) in the context of febrile seizure (FS)*.
- Among the specific objectives of this analysis were:
 - (i) *assess the range of research topic,*
 - (ii) *to identify which are the inflammatory biomarkers associated with febrile seizure discussed in the published literature;*
 - (iii) *to identify who has driven this research;*
 - (iv) *to assess what we can learn from this research;*
 - (v) *to guide investigators potential research directions and potential collaboration partners.*

Materials and Methods

- we conducted literature search on **Web of Science Core Collection (WoS)** online databases to identify scientific contributions regarding febrile seizures and their association with inflammatory biomarkers.
- the search strategy included the terms **„febrile seizures”** in combination with terms **„marker” or „biomarker” and „inflamm*”**.
- **VOSviewer** tool was used to visualize and create network maps of the bibliometric indicators. Also, words from the title and abstracts were parsed, analyzed and visualized using this instrument.

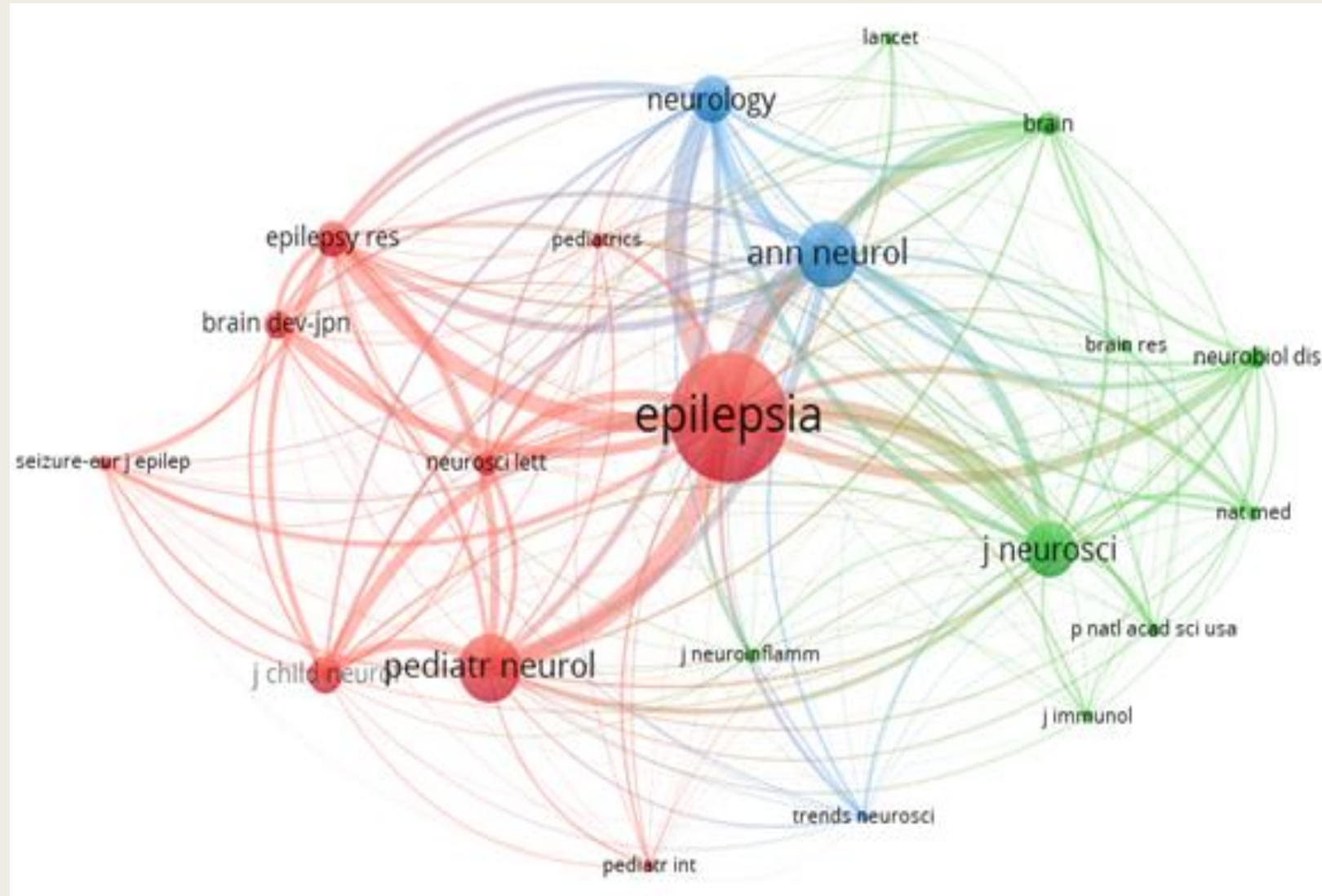
Results

literature search :71 publications ,114 institutions, 18 countries/regions, 579 journals



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Using of bibliometric analysis could guide researchers towards journals associated with the field of their research interest.

Furthermore it could provide clues and facilitate links to other research centers with the same field of interest as we identified 5 main institutions (Tehran Univ. of Medical Sciences, Mario Negri Institute for Pharmacological Research, University of California, Irvine (UCI), Ehime Univ., University of Social Welfare & Rehabilitation Sciences) with activity related to inflammation and febrile seizures.

Researchers should also consider combining different bibliometric, review and meta-analysis tools for their literature mining research.

Thank you!