Glass ampoules (GA) have many advantages but many disadvantages too, like detachment of microscopic glass particules over the drug after the opening, that may cause phlebitis, embolism and other side effects during administration.

To prevent these problems, the use of filters it is recommended before drug administration. Nevertheless, they are priceless and incompatible with many drugs.

**Background and importance**

Glass ampoules have many advantages but many disadvantages too, like detachment of microscopic glass particules over the drug after the opening, that may cause phlebitis, embolism and other side effects during administration.

To prevent these problems, the use of filters is recommended before drug administration. Nevertheless, they are priceless and incompatible with many drugs.

**Aim and objectives**

Identify comercialized ampoules drugs available in our pharmacy service (PS), check those contained in glass ampoules and bibliographic review of its compatibility with filters.

**Materials and methods**

We used our informatic program Farmatools® to get a list of drugs contained in ampoules available in our PS. Then we verified physically the material they were made of. Finally, we did a bibliographic review of those drugs to check its compatibility with filters by using the key words “ampoule” and “filter” in Micromedex, drug’s data sheets and Handbook on Injectable Drugs (17.ª ed.).

**Results**

- Distribution of drugs depending on whether they are in ampoules or not
- Distribution of glass ampoules depending on whether the drug is compatible with filters
- Distribution of the ampoules depending on the material they are made of
- Conclusion and relevance

**Conclusion and relevance**

- Most of the drugs packaged in ampoules are made of glass.
- There is no evidence about its compatibility with filters, but in those which exists, the majority are compatible with filters.
- Despite the evidence about these problems related with opening GA, the information available about its compatibility is limited and more studies are needed.

**References and/or acknowledgements:**