Background: Anticholinergic drugs may increase the risk of cognitive and functional disorders in older patients. Anticholinergic exposure quantified by anticholinergic scales (AS) can detect patients with high risk for adverse events. Higher anticholinergic burden is associated with negative side effects.

Objectives: Design, development and validation of a tool that calculates the anticholinergic burden.

Methods: It was designed a tool which calculates the anticholinergic burden based on different AS described in a systematic review. The main aim of review was to identify all the AS described in literature and to evaluate them in polypathological patients (PP), a subpopulation of patients with chronic diseases and increasing frailty, or with characteristics similar.

Results: The tool generates reports on 10 AS, elaborated to older patients in general, according to the review. It was named Anticholinergic Burden Calculator and was created for use in clinical settings.

Conclusions: The tool facilitates the calculation of the total load using 10 scales in a single step. Moreover, the doctors and pharmacists obtained very valuable information about treatment. They can identify which patients are at risk and give them a focus when reviewing the medicines taken by elderly easily and quickly.