

Results of a survey on the knowledge of fluid management and fluid stewardship

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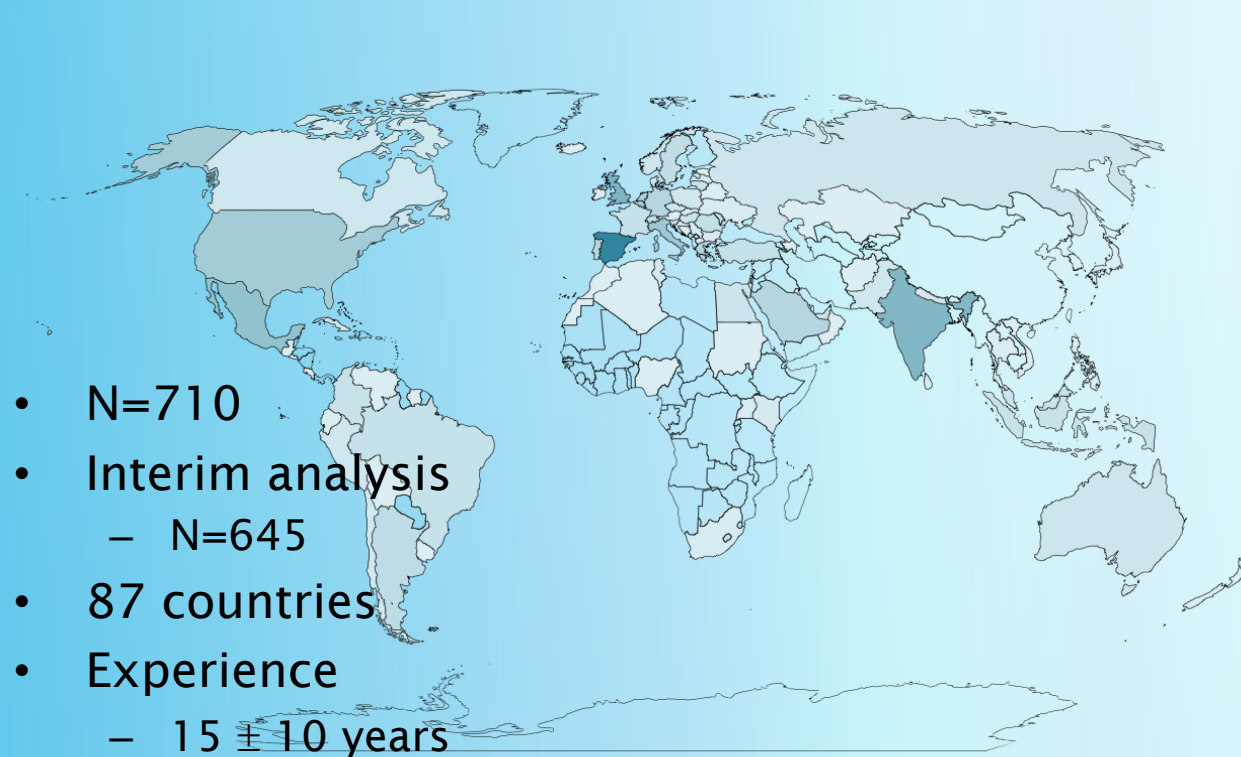
Executive Committee, International fluid Academy, Belgium

Introduction

- Appropriate IV fluid prescription = essential in critically ill
- Inappropriate fluid administration = morbidity and mortality
- Fluid stewardship = way to go
- Controversy and on-going debate about the type, dose and timing of fluids for each individual patient
- Fluids should therefore be seen as drugs, with a specific dose, composition, duration and timing of administration (de-escalation)
- Little known about the knowledge of IV fluid therapy and the awareness of fluid stewardship amongst doctors

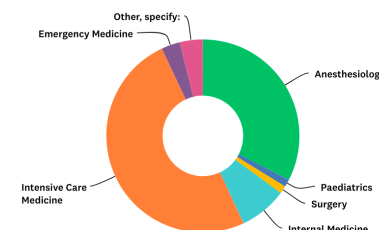
Aim and Methods

- This survey was designed to analyse the current practice and knowledge on fluid management and fluid stewardship among physicians of all specialties (accessible via https://nl.surveymonkey.com/r/COVID_Fluid)
- Shared with the participants of the 9th IFAD held in Valencia (Spain) + delegates preparing for the 1st Virtual eIFAD
- The survey consisted of 57 multiple choice or open questions, 26 covering knowledge on fluid management and stewardship
- Personal additions and comments were possible after each question

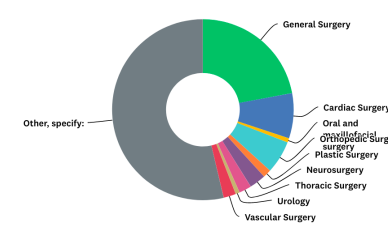


Results – respondents

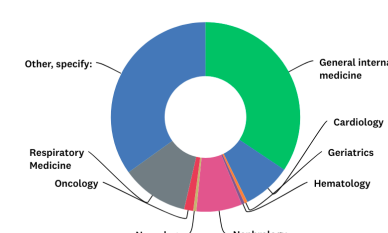
- Majority intensivists
- N=350



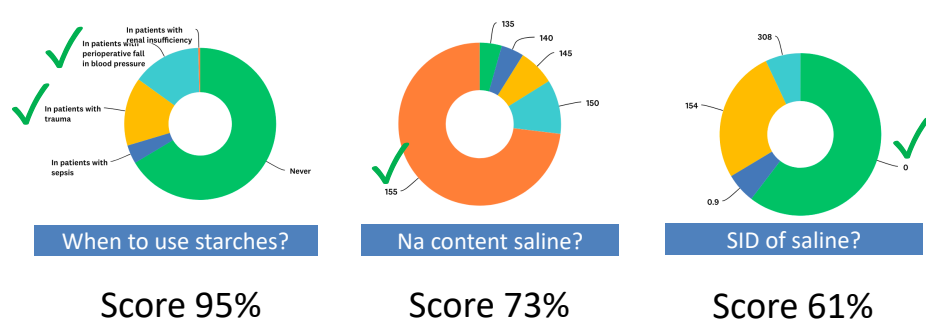
- Surgeons (n=136)
- 125 also intensivist



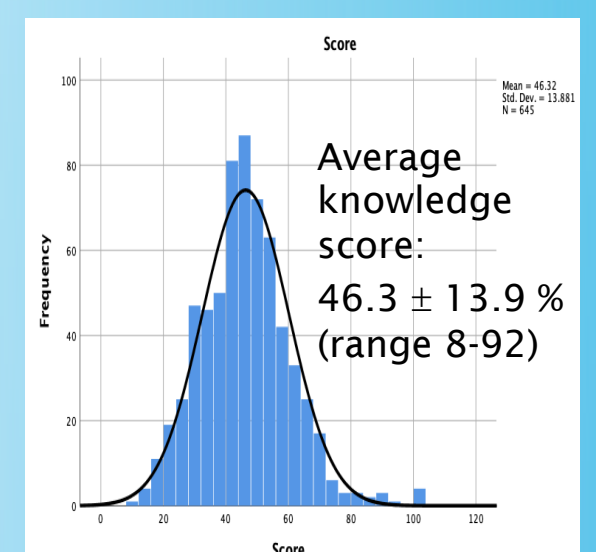
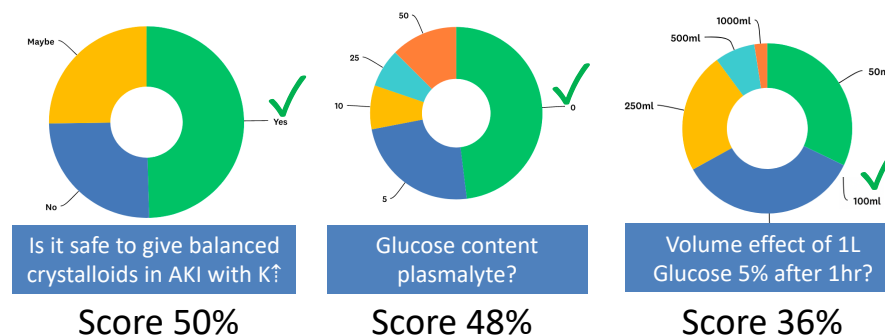
- Internists (n=192)
- 136 also intensivist



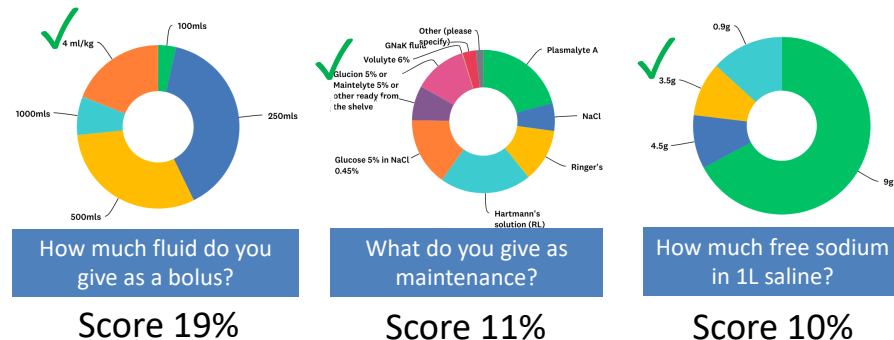
Knowledge questions (best)



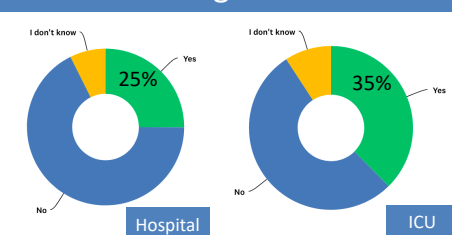
Knowledge questions (middle)



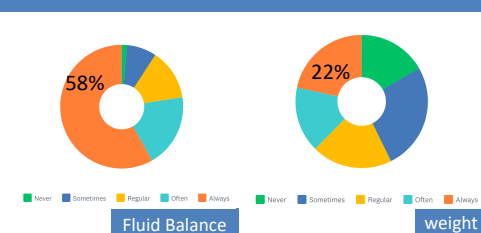
Knowledge questions (worst)



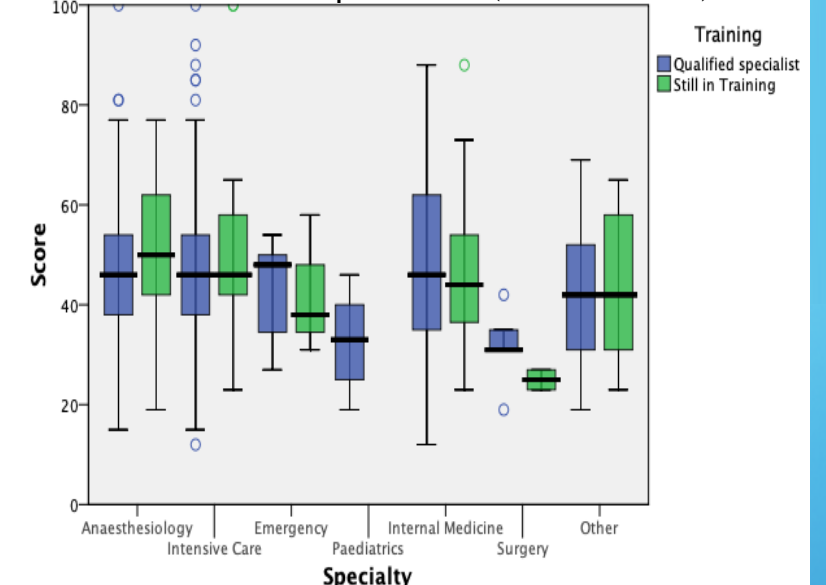
Results – guidelines?



Results – measurements?



Similar scores in all specialties (low numbers)



Conclusions

- This survey studied knowledge on fluid management among physicians (different basic specialties)
- Overall knowledge can be improved: average score below 50%
- Further education is needed and as suggested by the NICE guidelines
- Every ICU should have fluid guideline and analogy to antibiotic stewardship, fluid stewardship should gain its place