



INTOXICATE study

International multi-center cohort

Newsletter INTOXICATE multi-center cohort study | 2022

Halfway but more inclusions needed! – We contact you to improve data queries – Top 5 recruiting countries - Study progress per country - Top 10 most missing data

Welcome to our **first INTOXICATE newsletter!** We made great progress and recruited 962 patients! A **big thank you to all sites** for all your great efforts. We are almost halfway! However, due to the COVID-19 pandemic, signing of data sharing agreements and patient informed consent forms we experience some major delays in patient recruitment. To increase patient inclusions, **we extend the inclusion period until the summer of 2023 for all sites** and we like to request all sites to try and increase recruitment where possible. **Let's try and reach the goal of 2000 patients together!**

First on the newsletter is our top **5 recruiting countries** with a head start for the Netherlands with 429 patients (45% of all patients)! The runner up is Spain with 147 patients (15%)! On 3rd place is Turkey with 102 patients (11%), on 4th place Belgium with 39 patients (4%) and on 5th place is Lithuania with 35 patients (4%).

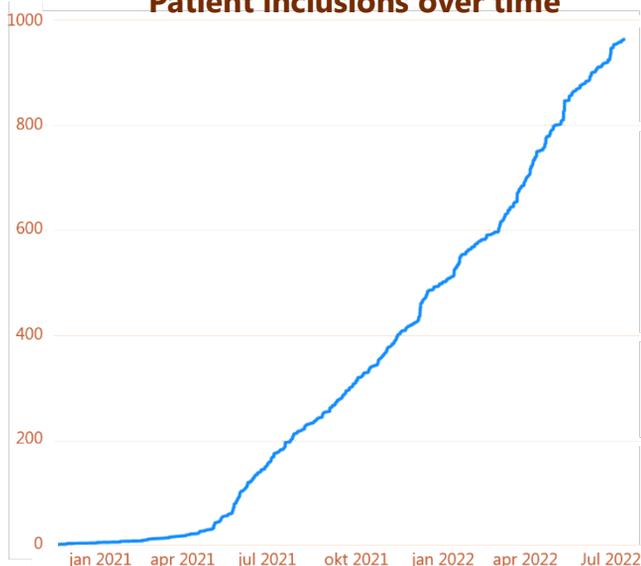
We started our quality checks of the data in Castor and locked the checked and finished records. When the amount of queries is substantial we will contact the primary collaborator of your unit to plan an (online) meeting to discuss the most elaborate queries directly. **Let's finish those queries interactively together!**

Top 5 recruiting countries

Rank	Country	n patients	(%)
1.	Netherlands	429	(45)
2.	Spain	147	(15)
3.	Turkey	102	(11)
4.	Belgium	39	(4)
5.	Lithuania	35	(4)



Patient inclusions over time



Website:

www.toxicstudy.org



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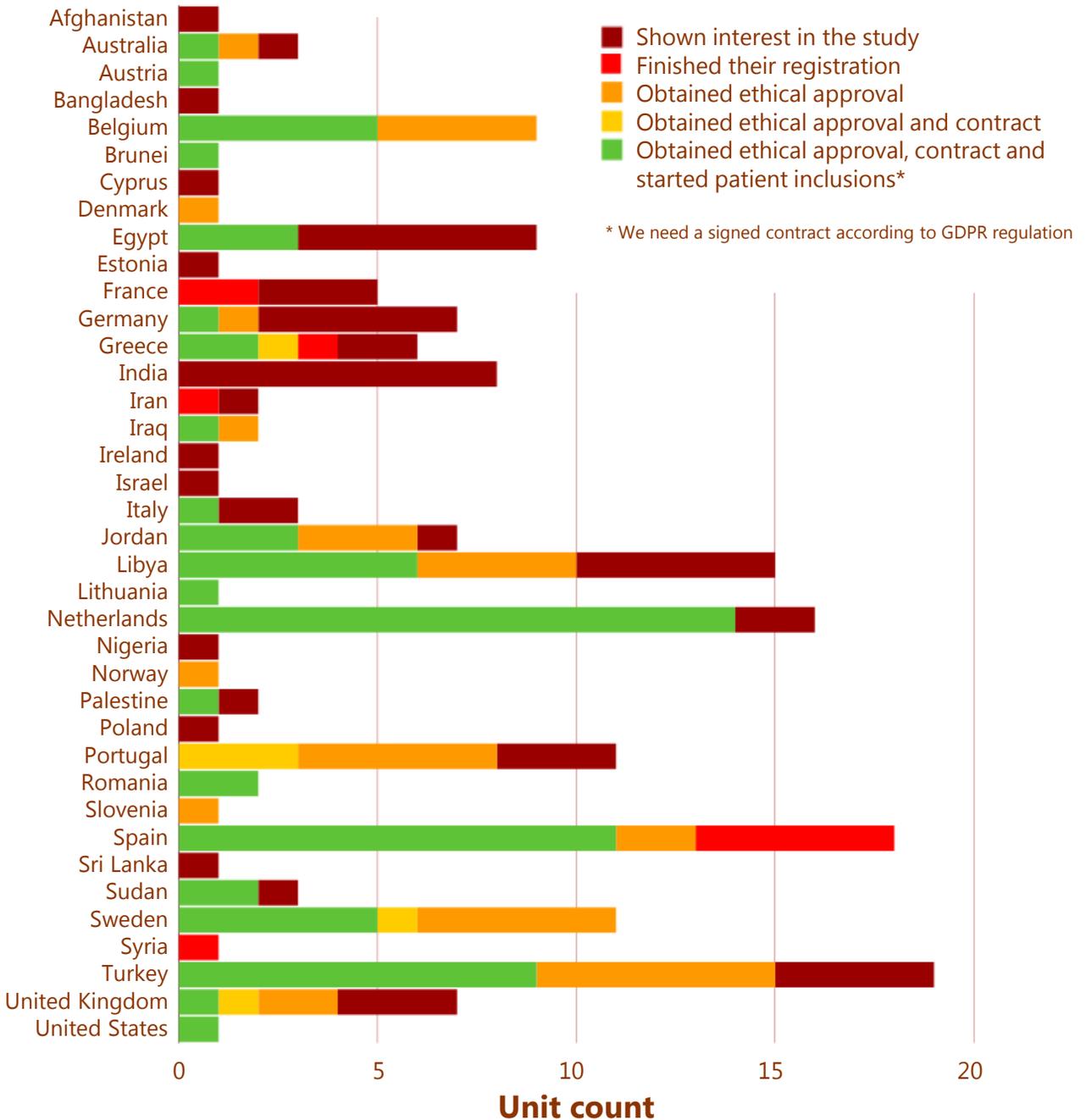
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Study progress at units per country



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Keep up the good work!

Top 10 most missing data

1. Empty tables of questions 10.4 (Exposure), 11.7 (Symptoms) 16.2, 17.2 and 18.6 (Treatments).
2. If duration of ICU stay is <24 hours, please:
 - 1) Answer question 6.5.1 about the patient being transferred to another ICU
 - 2) Answer Q 18.4 and leave the rest open
3. If <18 years old, the patient **must be excluded**: do not leave "Age" open (Q 8.1)
4. Make sure that "Acute Myocardial Infarction" or "Arrhythmia" (Q 9.1), are consistent with ECG (step 15), or that "Chronic hemodialysis" or "Chronic kidney disease (CKD)" (Q 9.1), are consistent with serum creatinine (step 14)
5. Number of exposures (Q 10.1) must be equal to number of rows in the table of Q 10.4
6. If the exposure name is not in the list provided (table Q 10.4), please type: "Other" and enter the name manually
7. With unknown dose of exposure, enter "999" and "unknown" as unit (Q 10.4) or click the cogwheel and select "User missing"
8. Make sure symptoms (Q 11) are consistent with the rest of the report, e. g. in case of "Bradypnea", respiratory rate is <10 (Q 12)
9. Make sure mean arterial pressure is higher than diastolic pressure (Q 12.3-4)
10. ECG (step 15):
 - 1) Is it the correct ECG (check date and time)
 - 2) Enter **uncorrected QT**
 - 3) Enter in milliseconds (ms)

To log or not to log

Please keep track of patients that are in- or excluded at your unit with the **local screening log** for local use (not to share with us) and the **aggregated screening log** where you keep track of the total in- or excluded patients per month. We ask for the aggregated log in order to check for selection bias that might influence study results. You can find the log documents here:

<https://toxicstudy.org/documents>

First look

- That **30%** of patients did not receive ICU treatment in the first 24 hours of ICU stay and **64%** after the first 24 hours
- Within the first 24 hours of ICU stay only mechanical ventilation was more prevalent than no treatment **with only 2%!** Whereas **no treatment** is by far the **most prevalent** in patients at the ICU **after the first 24 hours**
- **8%** of patients eventually died at the hospital and **0.5%** after 30 days
- We updated the manual "Castor Manual of Operations – PATIENTS" A table with treatment definitions was added. You can find the manual here: <https://toxicstudy.org/documents>



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Keep up the good work!