



COVID-19 pandemic and rare and complex urogenital diseases and conditions

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Main concerns

- To protect caregivers and patients from COVID-19
- To free personnel and working space as required according to the local pandemic situation
- To (re)schedule interventions without adding harm – continuity of care
- To deliver the necessary care, even for COVID-19 positive patients







Main concerns

 To protect caregivers and patients from COVID-19

Dynamic (time and space)

- Uncertainty (anxiety denial)

 The schedule interventions without adding harm - continuity of care
- To deliver the necessary care, even for **COVID-19** positive patients



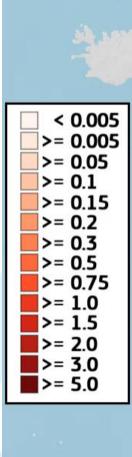




Covid-19 data from https://webcritech.jrc.ec.europa.eu/covidst Powered by the JRC Big Data Platform



European Commission



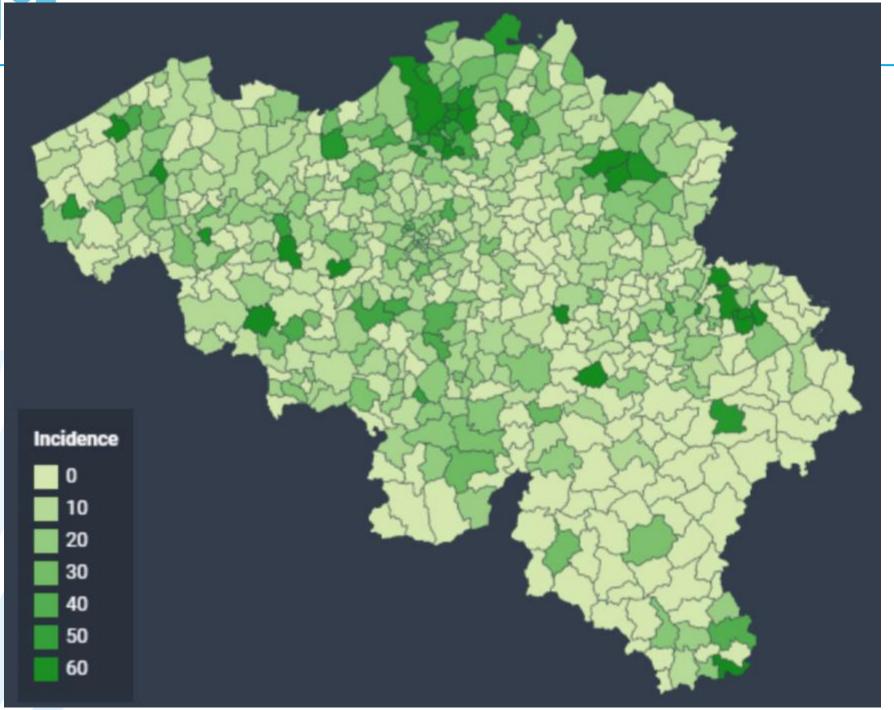




Municipality	Cases (Sum 7 days) 🕶	Population	Incidence (Sum 7 days)
Antwerpen	967	525,9K	184
Charleroi	42 	202,3K	21
Liège	42■	197,3K	21
Bruxelles/Brussel	38	181,7K	21
Gent	30	262,2K	11 ■
Leuven	8	101,6K	8





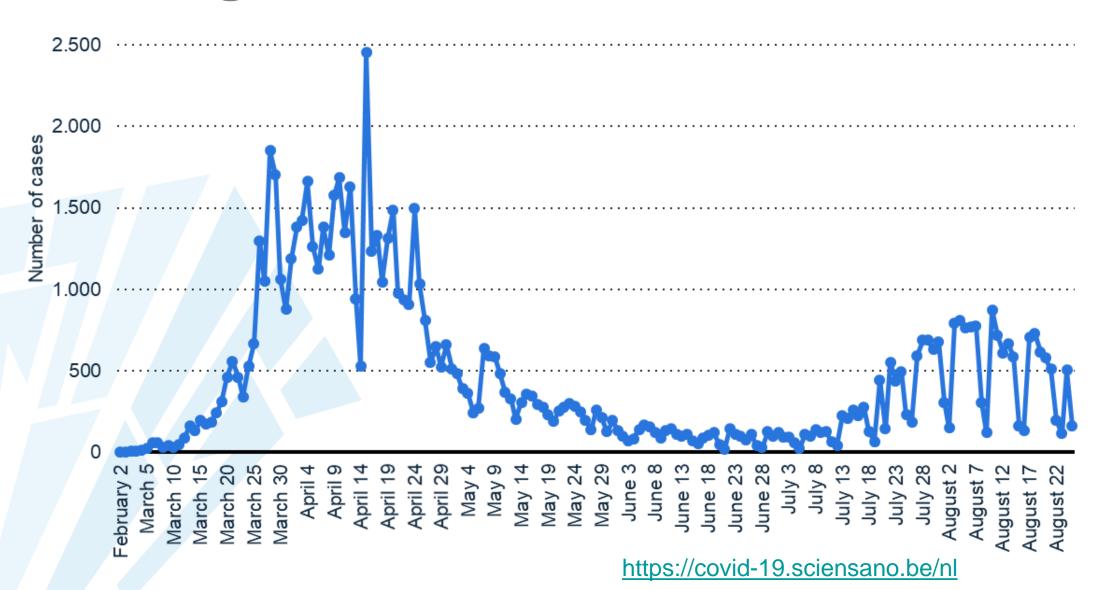


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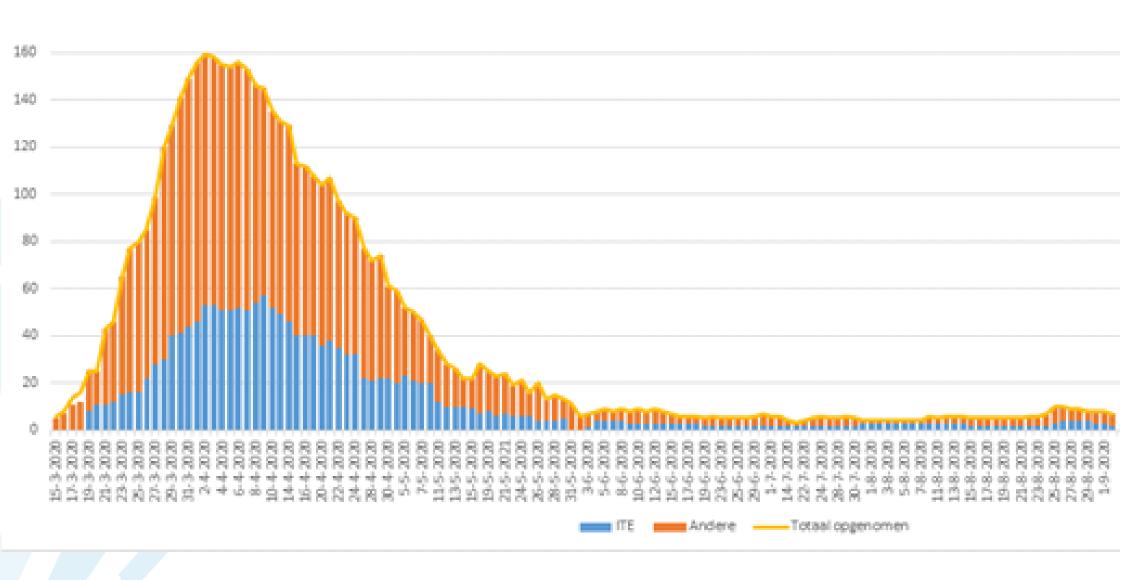
Belgium cases



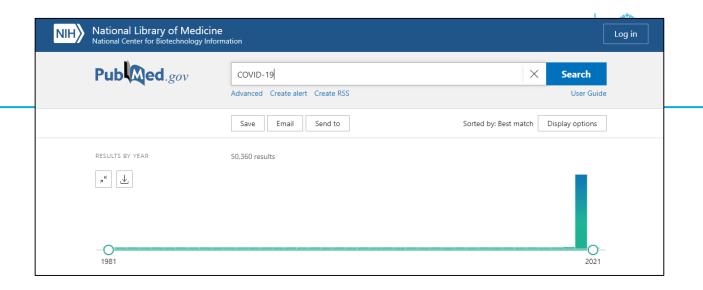




UZ Leuven cases





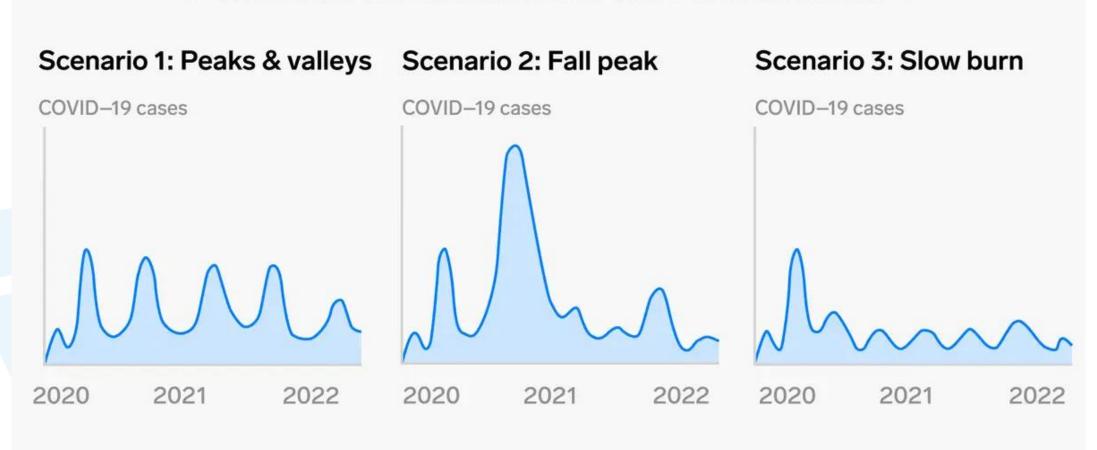


- COVID-19 50360 hits on pubmed
 (2/9/20), 50210 in 2020 = 204 per day !
- The vast majority is author opinion/expertise or observational studies, very few RCTs (SOLIDARITY, RECOVERY, DISCOVERY,...)
- + media coverage, + social media



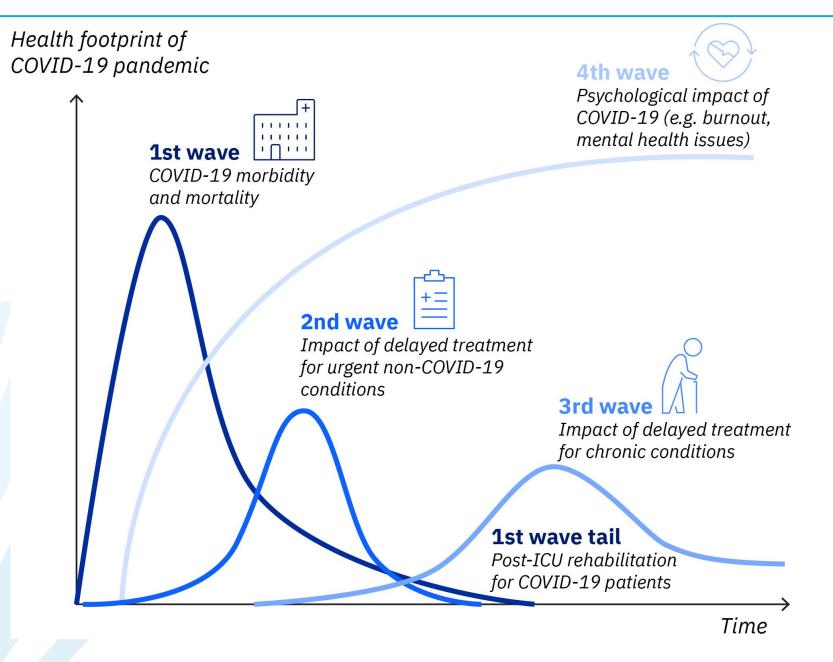


Possible coronavirus wave scenarios







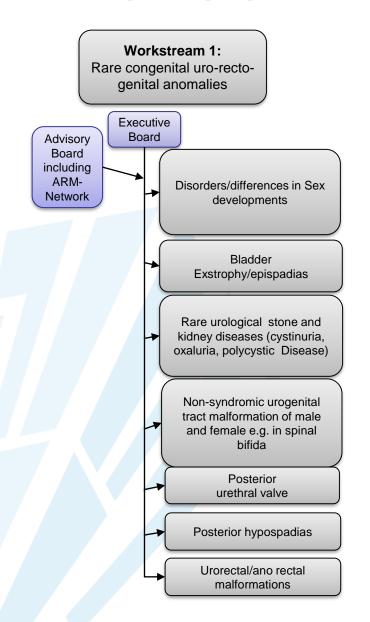


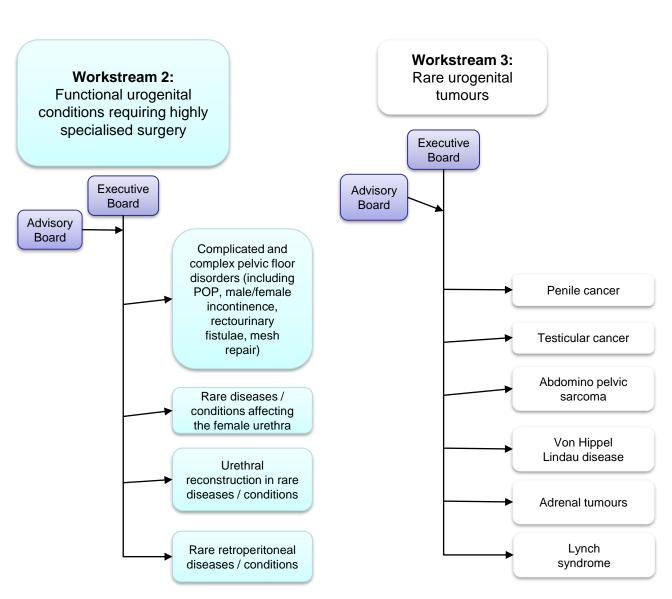






eUROGEN









Health footprint of COVID-19 pandemic



Increase patient counseling Diminish disease burden and complications Offer psychological support

Eg.: prevention of stone disease (WS1), adequate incontinence care to avoid skin problems/lesions (WS2), explaining and adressing early signs of urinary tract infection (WS1 and 2)

4th wave

Psychological impact of COVID-19 (e.g. burnout, mental health issues)

Specialist nurse Physician

Telephone call Teleconference

Impact of delayed treatment for chronic conditions

1st wave tail

Post-ICU rehabilitation for COVID-19 patients

Time





Health footprint of COVID-19 pandemic

- 2.
- a) Offer selective low risk interventions:

Eg.: Botox injections under local anesthetic for neurogenic bladder disease (WS1 and 2)

b) Defer low priority interventions

Eg.: Artificial sphincter implant for recurrent female SUI with a non-mobile urethra

c) Offer alternative interventions

Eg. Suprapubic catheter for urinary retention due to urethral stricture



Psychological impact of COVID-19 (e.g. burnout, mental health issues)





1st wave tail

Post-ICU rehabilitation for COVID-19 patients

Time





Health footprint of COVID-19 pandemic

To diminish impact of wave 3 and 4:

Do offer lower priority interventions when local situation allows it:

Eg.: WS2 fistula repair, mesh removal (pain)

With the necessary safety precautions to protect patients and caregivers

4th wave

Psychological impact of COVID-19 (e.g. burnout, mental health issues)

ayed treatment

3rd wave

Impact of delayed treatment for chronic conditions

1st wave tail

Post-ICU rehabilitation for COVID-19 patients

Time





Caregiver and patient Safety

Consider telemedicine (triage)

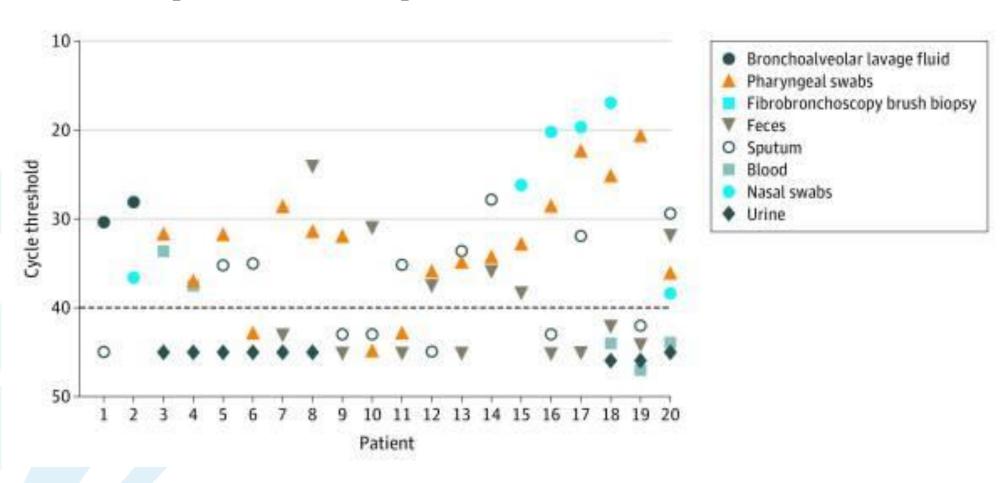
- Only perform invasive tests when appropriate/needed
- Wear appropriate PPE
- Keep distance when possible

Test patient prior to invasive procedures





Viral Sars-CoV-2 shedding in 20 hospitalized patients







Invasive procedures

Physical examination

Cystoscopy

Transabdominal, translabial, transvaginal, transrectal ultrasound

Electromyography

Cystourethrography

Urodynamics/video urodynamics

Stent removal

Intravesical instillation/injection

Replacement of indwelling bladder catheter/suprapubic tube

Pessary cleaning/exchange

Percutaneous tibial nerve stimulation/transcutaneous electrical nerve stimulation

Neural blockade

Teaching self-catheterization

Urethral dilatation

Pelvic floor rehabilitation techniques

Non-aerosol generating procedures





W LEUVEN General considerations

- Do not perform invasive procedures in suspected or confirmed active SARS-CoV-2 infections or symptomatic patients
- Patients with mild illness: safe to perform 21 d after symptom onset and if the patient is asymptomatic
- Patient with moderate to severe illness: safe to perform 21 d after hospital discharge and if the patient is asymptomatic



LEUVEN General considerations



- Follow local and national guidelines; some consider all patients as suspicious of COVID-19
- Document COVID-19 status of every patient: clinical record, physical examination and patient interview regarding COVIDrelated symptoms and exposures
- No screening for SARS-CoV-2 for asymptomatic patients is recommended unless undergoing surgery or considering hospitalization
- COVID-19 testing, according to local guidance, should be undertaken for symptomatic and at-risk patients before invasive tests or procedures
- Avoid invasive tests if not urgent or going to change management of a patient's condition
- Balance the benefit of performing a diagnostic/therapeutic procedure with the risk of COVID-19 infection, including obtaining signed informed consent Lopez-Fando et al Eur Urol Focus 2020 PMID 32540267

Lopez-Fando et al Eur Urol Focus 2020 PMID 32540267





Patient prioritisation

emergency

High priority

Intermediate priority

Low priority

Investigation/intervention must continue

Reschedule without delay

Reschedule with delay

Cancel + re-evaluate later





Patient emergencies in functional/reconstructive urology

- Infections
 - eg. Infected prosthesis
- Upper tract damage
 eg. High pressure neurogenic bladder
- Cancer diagnosis
- (Psychological impact)





Buddy's for COVID-19 + patients

- Health care workers (nurses)
- Dedicated phone number



- When pandemic is active, they are as well...
- Clear procedures for reception staf (dedicated place and PPE for (possible)
 COVID-19 + patients and staff; as little staff as possible; call budy; desinfect afterwards)





Buddy's for COVID-19 + patients

- Check the COVID-19 status
- Guide COVID-19 + patients through the hospital (via dedicated high viral zone areas) to outpatient clinic/surgery/ admission/exit
 - Patient can receive essential care
 - Patient contacts are closely monitored,
 stays in the hospital as short as possible,
 efficient ambulation





Conclusions



- Stay safe and healthy, don't panic
- Continuity of care is important: we should strive to resume care whenever possible
 - Adequate PPE
 - Novel tools
- The pandemic situation is dynamic in space and time