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Correlation between **COVID-19** extraordinary **measures** issued by Czech **government** and practical implementation at an oncology **healthcare facility**

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COVID-19 government Extraordinary measures and practical implementation at Masaryk Memorial Cancer Institute - 2020

Background

- Masaryk Memorial Cancer Institute is a facility located in the city of Brno, Czech Republic. The institute is completely dedicated to cancer treatment and research. As the COVID-19 outbreak started, the patients of the Masaryk Memorial Cancer Institute were considered to be at a risk group for the infection.
- MMCI immediately implemented special measures, which included mainly reduction of physical contact points, triage of patients and employees at the entrances to the hospital complex and usage of prevention equipment including shields, masks and respirators. PCR testing for COVID-19 was introduced as well. Combined with regulations taken on the national level, the measures seem to be very effective.

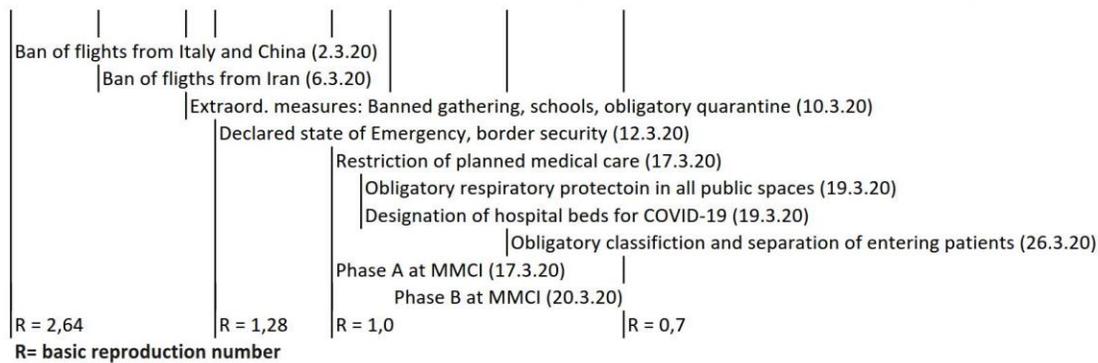
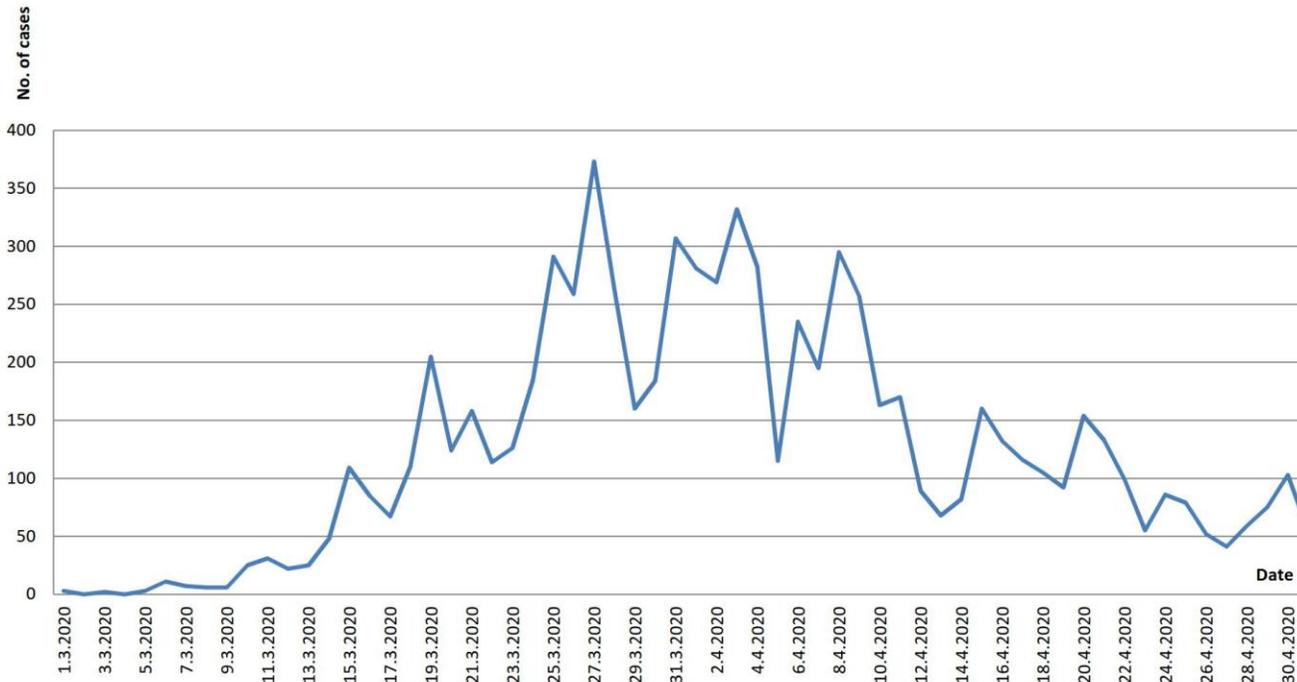
Aim

- The correlation was processed into a clear presentation.
- Useful for comparison with other healthcare institutions and countries.

Methods

Graphic correlation.

Daily Increase in New Registered Cases of COVID-19 in the Czech Republic



Comparing table (results)

Type of measure / number of measure	Practical implementation at MMCI
General measure / MZDR 12066/2020-1/MIN/KAN	<ul style="list-style-type: none"> • Seize of all preventive oncologic checkups in healthy persons. • Seize of all control examinations. • Provision of care solely for newly diagnosed patients and patients who undergo active oncologic treatment. • Remains: treatment for adverse effects of oncologic care.
Extraordinary measure / MZDR 12344/2020-1/MIN/KAN	<ul style="list-style-type: none"> • Ban of visits at inpatient departments. • Patients are allowed to enter with one healthy accompanying person only; this person cannot be a child.
Extraordinary measure / 12312/2020-2/MIN/KAN	<ul style="list-style-type: none"> • Reorganization of staff into “Active” and “Backup” teams. • Reduction of volume of provided care (by seize of planned procedures).
Government resolution /106/2020 Coll.	<ul style="list-style-type: none"> • All personnel must wear masks or respirators within the facility. • Masks are provided to employees at the entrance to the facility. • According to the government resolution, employees also wear the masks on the way to work.

Conclusions

- Limitation and regulation of epidemiologic conditions and human factors is extremely important in facilities that treat oncologic patients.
- Implementation of very harsh restrictions, such as the Masaryk Memorial Cancer Institute, from first days of outbreak decreases the number of COVID-19 positive patients and staff.
- After initial breakthrough, when the number of COVID-19 cases were rapidly growing in the Czech Republic, these measures led to a very effective control over the disease and the spread of SARS-CoV-2 virus was suppressed.