


XXXII CONGRESSO NAZIONALE AIRO
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XII CONGRESSO NAZIONALE AIRO GIOVANI

AIRO2022

Radioterapia di precisione per un'oncologia innovativa e sostenibile

BOLOGNA, 25-27 NOVEMBRE
PALAZZO DEI CONGRESSI

 Associazione Italiana
Radioterapia e Oncologia clinica

 Società Italiana di Radiobiologia

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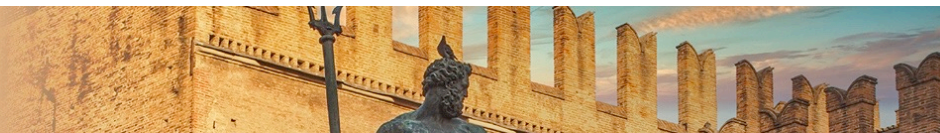
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IMPATTO DELLA PANDEMIA DA SARS-COV2 SULL'ATTIVITÀ DI RADIOTERAPIA: VALUTAZIONE MONOISTITUZIONALE

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DICHIARAZIONE

Relatore: Valeria Panni

Come da nuova regolamentazione della Commissione Nazionale per la Formazione Continua del Ministero della Salute, è richiesta la trasparenza delle fonti di finanziamento e dei rapporti con soggetti portatori di interessi commerciali in campo sanitario.

- Posizione di dipendente in aziende con interessi commerciali in campo sanitario NIENTE DA DICHIARARE
- Consulenza ad aziende con interessi commerciali in campo sanitario NIENTE DA DICHIARARE
- Fondi per la ricerca da aziende con interessi commerciali in campo sanitario NIENTE DA DICHIARARE
- Partecipazione ad Advisory Board NIENTE DA DICHIARARE
- Titolarità di brevetti in compartecipazione ad aziende con interessi commerciali in campo sanitario NIENTE DA DICHIARARE
- Partecipazioni azionarie in aziende con interessi commerciali in campo sanitario NIENTE DA DICHIARARE



Aims

In the 2020, COVID-19 pandemic had an indirect impact to all the hospital services, as well as oncological activities.

This impact, especially in the early months of 2020, represented an issue for Radiotherapy Departments, often finding medical staff unprepared to face COVID-19 pandemic.

Aim of this study was to assess the indirect impact of COVID-19 to all the activities in our Radiation Oncology Department.



In our Centre

- ❖ *FFP2 mask*
- ❖ *body temperature measurement at the entrance to the Radiotherapy Centre*
- ❖ *limited entry for family members of patients*
- ❖ *patient diary in which to record any symptoms during the treatment*
- ❖ *spacing of PCs in the doctors' room*
- ❖ *sanitation of environments*

- ❖ *Covid swabs before planning CT and weekly during the treatment*



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DOCUMENTO DI INDIRIZZO PER LA VALUTAZIONE E LA GESTIONE DEL RISCHIO DEI
 PAZIENTI E DEGLI OPERATORI NEI REPARTI DI RADIOTERAPIA ONCOLOGICA IN
 CORSO DI DIFFUSIONE DEL COVID-19



Contents lists available at [ScienceDirect](https://www.sciencedirect.com)

Radiotherapy and Oncology

journal home page: www.thegreenjournal.com



COVID-19 Rapid Communication

Radiotherapy workflow and protection procedures during the
 Coronavirus Disease 2019 (COVID-19) outbreak: Experience of the Hubei
 Cancer Hospital in Wuhan, China ☆



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In our Centre



❖ *treatments of Covid positive patients*

- *pediatric patients*
- *patients with urgent need for radiation treatment (for example with a program of CAR-T therapy)*





Methods

We retrospectively compared clinical activities trend in the following periods:

January-December 2019

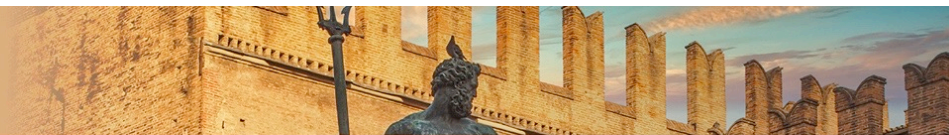
January-December 2020

January-December 2021

Data related to:

**clinical visits (first evaluations, follow-up),
planning CT and PET/CT,
treatment plannings and
radiotherapy sessions**

4 LINACS: 21EX, TBS, TBV, Tomo

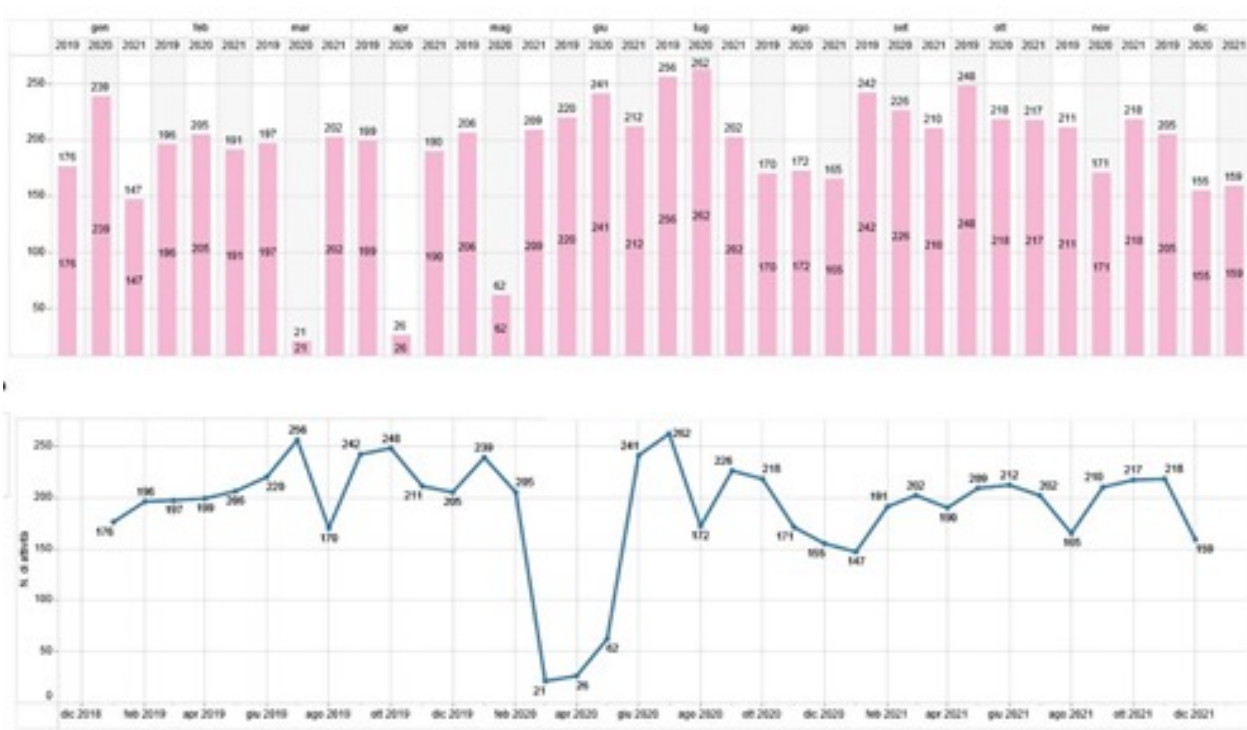


Results

	First clinical visits	Planning CT and PET/TC	Treatment plannings	Follow-up visits	Treatment sessions
2019	2022	1675	1585	1757	24341
2020	1890 -6,5%	1680	1608 +1,45%	1324	21880
2021	1996 +5,6%	1739	1643 +2,2%	1660	25402

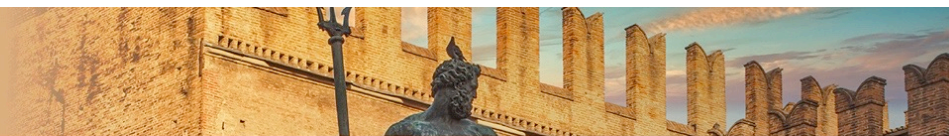


Results



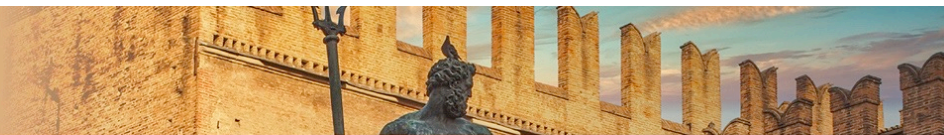
	Follow-up visits
2019	1757
2020	1324 - 24,6%
2021	1660 + 25,4%

2020: follow-up visits were performed as tele-visits form in n=628;
2021 tele-visits were **not** performed



Results

	First clinical visits	Planning CT and PET/TC	Treatment plannings	Follow-up visits	Treatment sessions
2019	2022	1675	1585	1757	24341
2020	1890	1680	1608	1324	21880 -10,1%
2021	1996	1739	1643	1660	25402 +16,1%



Results

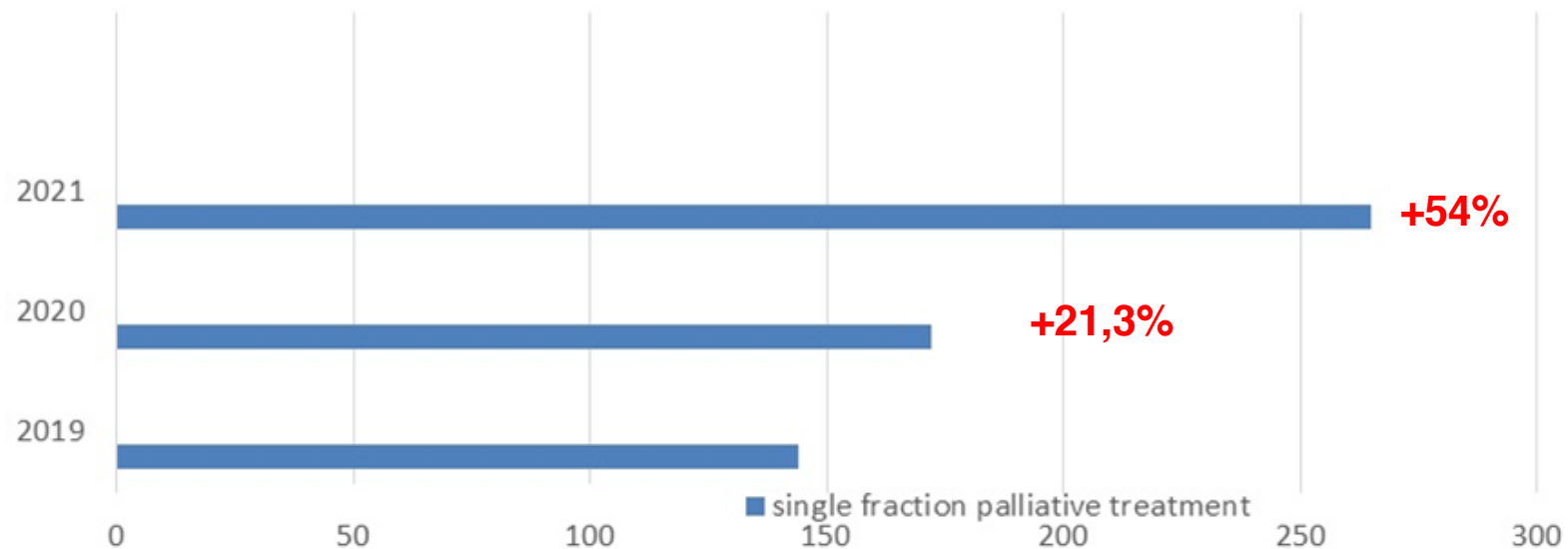


Figure 2: Total number of **single fractions palliative treatment** during 2019-2021



Conclusion

- In the last 3 years, the activities of our radiotherapy department never stopped.
- Compared to 2019, our activity dropped mainly in the first months of 2020.
- This reduction regarded mostly patients' clinical visits, because of people fear of COVID-19 spread.
- During 2021, all activities increased progressively; the use of hypofractionated regimens were preferred for all pathologies.

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