

EPIDEMIOLOGY AND CLINICAL COURSE OF PATIENTS WITH CANCER DIAGNOSED WITH SARS-COV-2 INFECTION

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OBJECTIVES

Background: Cancer patients are supposed to be a vulnerable population for SAR-CoV-2 infection.

OBJECTIVE: to describe the epidemiology and clinical course of patients with cancer infected with SARS-Cov-2 who were attended in the hospital.

METHODS

- Design:** Retrospective, observational study conducted in cancer patients who were attended in a tertiary hospital for SARS-CoV-2 infection during the period 03/01/2020-31/05/2020.
- Demographic and clinical variables were analyzed: comorbidities, tumor diagnosis, tumor stage and whether they had received anticancer treatment in the last month (active treatment).
- The clinical course was evaluated through:
 - ✓ Hospital admission
 - ✓ Pneumonia and oxygen therapy requirements
 - ✓ Development of acute respiratory distress syndrome (ARDS)
 - ✓ Admission to ICU and mortality rate.

RESULTS



112 patients
59.8% men
Mean age = 67±13.4years
94.6% Caucasian, 4.4% latino

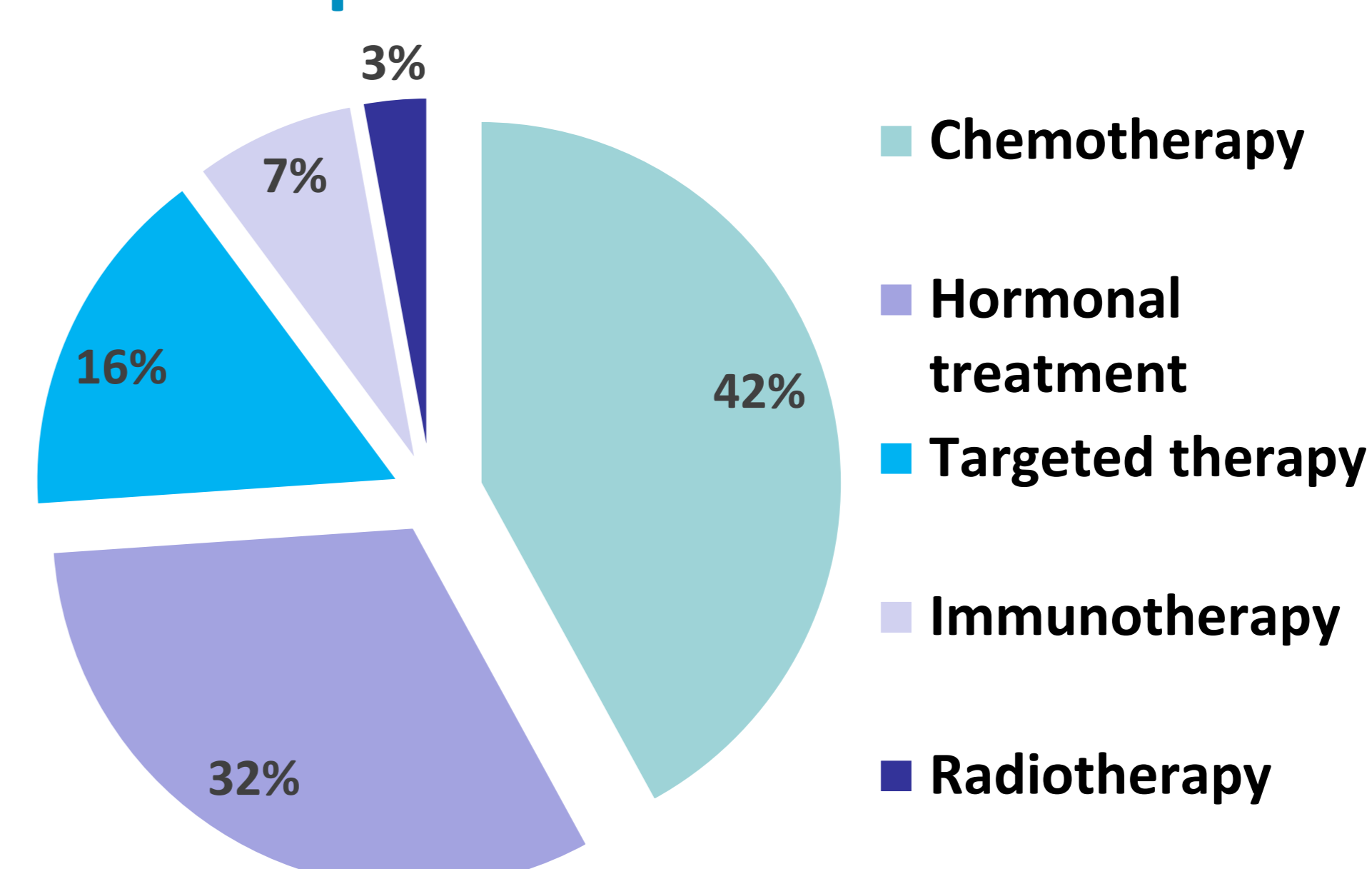
Comorbidities

- Smoking status: 61.6% non-smokers, 25% ex-smokers, 13.4% current smokers.
- Obesity = 11.6%
- Arterial hypertension = 57.1%
- Cardiovascular disease = 34.8%
- DM II = 32.1%
- COPD = 21.4%



✓ 60.7% Patients had active cancer therapy

Graph 1. Cancer treatments



Upon admission:

✓ Pneumonia = 85.7% // Lymphopenia = 59.9% // pO2 < 90% = 31.3%

Graph 2. Clinical Course

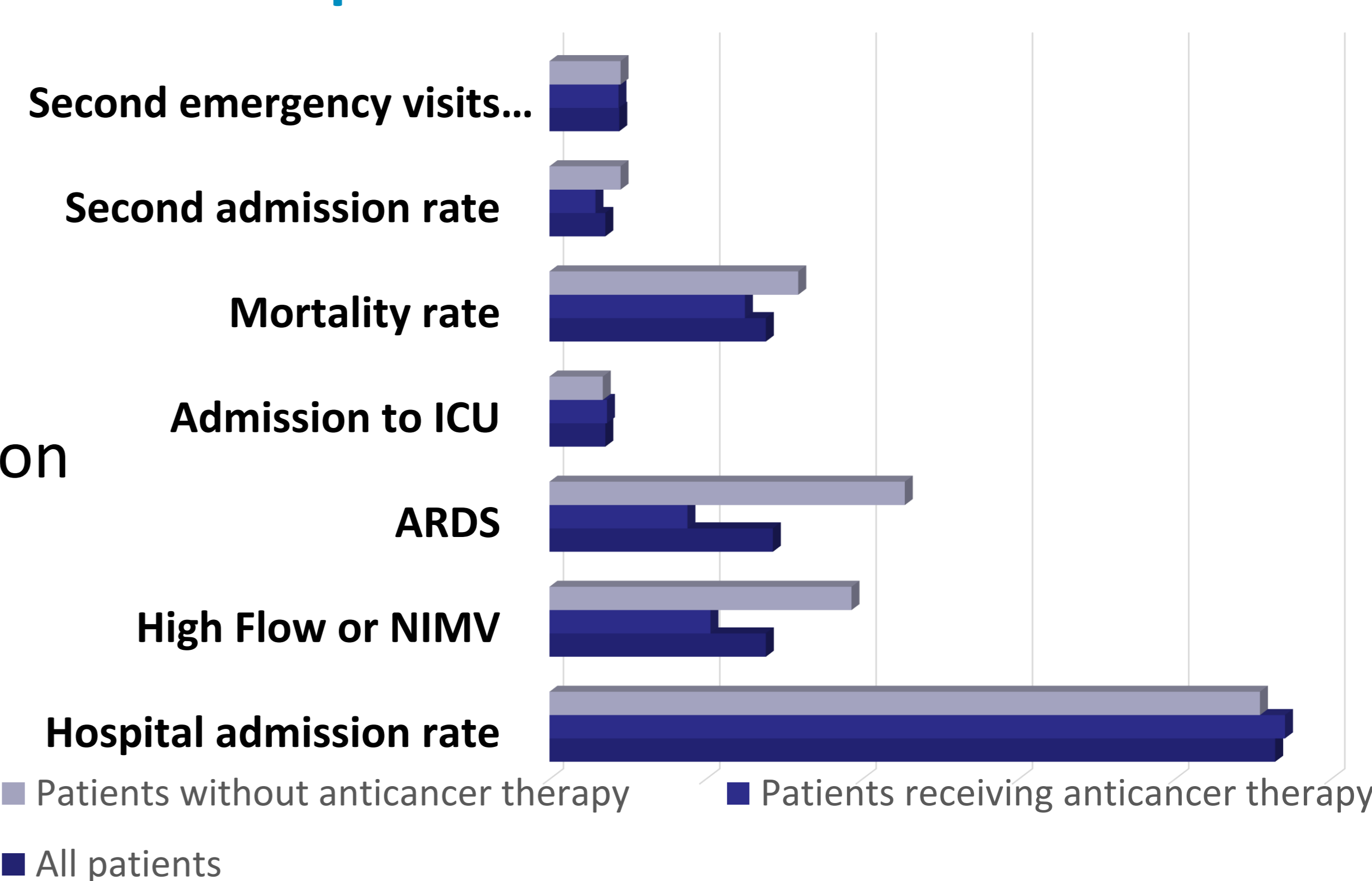


Table 1. Cancer diagnosis y tumor stage

The most frequent cancer diagnosis	N	%
Breast cancer	21	18.8
Lung cancer	20	17.9
Colorectal cancer	18	16.1
Prostate cancer	14	12.5
Tumor stage	N	%
Metastatic disease	62	55.4
Localized disease	28	25
Locally advanced disease	22	19.6

✓ Mean days of admission = 16±17 days

CONCLUSIONS

- Mortality rate was high in all patients.
- Clinical course in patients with active anticancer treatment was very similar to that of the all cancer patients. Larger series of patients are needed to continue studying outcomes of SARS-CoV2 infection in cancer patients.

