INTRODUCTION
Discussions exist on the idea of Coronavirus disease 2019 (COVID-19) related acute respiratory distress syndrome (ARDS) specifically on compliance of the respiratory system (Crs). As per study, compliance of COVID-19 ARDS is comparable or somewhat higher to that seen in nonCOVID-19 ARDS. Oppose the idea of a specifically high compliance in COVID-19 ARDS. (1)

OBJECTIVES
In this retrospective study, our primary objective was to analyze the correlation between compliance with mortality in mechanically ventilated COVID-19 and nonCOVID-19 ARDS patients. Secondary aim was the compare mean static compliance value of COVID-19 ARDS and nonCOVID ARDS.

METHODS
Patients older than 18 years old who are mechanically ventilated more than 24 hours in VKV American Hospital intensive care unit (ICU) between 2015-2021 were investigated. ARDS diagnosis was based on Berlin criteria. Every patients’ compliance, driving pressure, tidal volume values were recorded. Demographical information, APACHE II and SOFA scores, arterial blood gas data and mechanical ventilator settings were obtained from IMDSoft (MetaVision, QlinICU) database. 51 COVID-19 ARDS patients and 51 nonCOVID-19 ARDS patients were included in the study. Mortality and compliance correlation between two groups was studied with Mann-Whitney U, Student’s t and Chi-Squared test.

CONCLUSIONS
Although significant differences were observed in compliance values in COVID-19 and nonCOVID-19 ARDS patients, no significant difference was found in mortality. Lower compliance was observed in Covid19 ARDS cases. There was no linear relationship between CRS and mortality in both groups, and the cutoff value could not be determined.

ACKNOWLEDGEMENTS
We thank American Hospital ET for technical support.

REFERENCES

<table>
<thead>
<tr>
<th>Mortality/ Crs</th>
<th>covid(n:51) Crs (mL/cmH2O) in the first 24h</th>
<th>noncovid(n:52) Crs (mL/cmH2O) in the first 24h</th>
</tr>
</thead>
<tbody>
<tr>
<td>survivor</td>
<td>31,9 ± 8,5</td>
<td>54,6 ± 19,6</td>
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<tr>
<td>Non-survivor</td>
<td>30 ± 8,1</td>
<td>48,9 ± 16</td>
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