

### 335 Planned Surgery in the COVID-19 Pandemic: A Prospective Cohort Study from Nottingham

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**Introduction:** Globally planned surgical procedures were deferred during the current COVID-19 pandemic. We aim to report planned urgent and cancer case outcomes during the pandemic using a multi-disciplinary prioritisation group.

**Method:** Prospective cohort of patients prioritised by a multi-disciplinary COVID Surgery group undergoing urgent or cancer surgery at a NHS Trust from 1<sup>st</sup> March-30<sup>th</sup> April 2020. 30-day post-operative rates of PCR positive and suspected COVID-19 infections, 30-day mortality and COVID-19 related deaths are reported.

**Results:** During the period, 597 patients underwent surgery, median age 65-years (interquartile range 54-74) of which 86% (514/597) had a

cancer diagnosis. 61% (362/597) had surgery at the NHS Trust whilst 39% (234/597) had surgery at Independent Sector hospitals. The COVID-19 incidence in the East Midlands was 193.7 per 100,000 population. 30-days following surgery, 1.3% (8/597) tested COVID-19 positive with all cases at the NHS site. 30-day mortality was 0.7% (4/597). Mortality following PCR positive COVID-19 diagnosis was 25% (2/8). Including PCR positive and suspected cases 3.0% (18/597) developed COVID-19 infection, 1.3% at the independent site compared to 4.1% at the NHS Trust ( $p = 0.047$ ).

**Conclusions:** Rates of COVID-19 infection in the post-operative period were low especially in the Independent Sector site. Mortality following a post-operative diagnosis of COVID-19 was high.