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A REVIEW ON CORONA VIRUS (COVID-19) IN GOVERNMENT OF TAMILNADU

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Abstract

The precautionary measures are to be strengthened against the spread of Corona virus in the coming days. Tamil Nadu government needs the participation of industrialists, leading private companies, NGOs, donors and the people of Tamil Nadu to efficiently take these precautions.

Keywords: Corona viruses, COVID-19,

INTRODUCTION

The severe acute respiratory syndrome corona virus 2 caused a pandemic of corona virus disease 2019 (COVID-19). Unprecedented public health actions were introduced, including social distancing, travel restrictions and quarantine. The Tamilnadu government announced a national emergency plan, thereby postponing all non-urgent medical consultations and operations. This report analyses the impact of these measures on cancer screening, through assessment of the workload of a laboratory.

STATEMENT OF REPORT COVID-19

The Tamil Nadu Health Department is keeping a guarded watch on Chennai, state's coronavirus epicenter, even as its daily COVID-19 figures showed a dip for the fifth consecutive day. As 1,140 people tested positive in the state capital on Monday, the overall fall in

daily numbers was 53 per cent. More than 2,000 cases were registered in Chennai between July 29 and June 3.

However, the temple town of Madurai seems to be emerging as a [new Covid hot spot](#). There has been a six-fold rise in daily COVID-19 numbers in a little over two weeks - from 988 to 6,539 total cases on Monday. Dr Radhakrishnan added that the congested pockets and urban slums in Madurai along with lack of compliance with regard to masks and physical distancing are posing a challenge in containing the spread of the highly contagious virus. Kancheepuram, Chengalpattu and Thiruvallur districts adjoining Chennai have also see a spike in coronavirus cases. Dr Radhakrishnan attributed the spike in cases to inter-district movement even as the government extended suspension of bus services till the end of the month. The health department said it is rapidly increasing COVID care centres across the state, where 60% of Covid patients are

recovering without the need for administering oxygen. "The Chief Minister has sanctioned another Rs 75 crore for beds with oxygen supply. We are on the safe side as far as infrastructure is concerned," he said.

The health department added that they are also replicating the Chennai model in these districts by increasing testing to 10 times the number of people found positive and tripling the number of fever camps.

Though Tamil Nadu's daily testing has increased to 45,000 people, the state does not give a district-wise split of the tests conducted giving rise to speculation that the state had not ramped up testing in districts other than Chennai.

REVIEW OF LITERATURE

Naoyaitou (2020) In early December 2019, an outbreak of [coronavirus](#) disease 2019 (COVID-19), caused by a novel [severe acute respiratory syndrome coronavirus 2](#) (SARS-CoV-2), occurred in Wuhan City, Hubei Province, China. On January 30, 2020 the World Health Organization declared the outbreak as a Public Health Emergency of International Concern. As of February 14, 2020, 49,053 laboratory-confirmed and 1,381 deaths have been reported globally. Perceived risk of acquiring disease has led many governments to institute a variety of control measures. We conducted a literature review of publicly available information to summarize knowledge about the pathogen and the current epidemic. In this literature review, the causative agent, [pathogenesis](#) and immune responses, [epidemiology](#), diagnosis, treatment and management of the disease, control and prevention strategies are all reviewed.

TAMIL NADU LOCKDOWN GUIDELINES

Tamil Nadu has allowed a number of activities that are permitted in Thiruvallur, Kancheepuram and Chengalpet areas. These guidelines are not being enforced in the containment zones. Temples, mosques, dargahs and churches in rural areas with an annual income of less than Rs 10,000 are allowed to open to the public. Restaurants, Tea shops, vegetable shops and provision shops are permitted to function from 6 am to 8 pm. Restaurants can operate with dine-in facilities with 50 per cent of seating facility. Fish stalls and meat shops are allowed to resume activity. Rental vehicles and taxis, including private cab aggregators, are allowed to operate with up to three passengers.

COVID-19 TESTING

Currently, there are 40 private laboratories and 49 government laboratories approved to test Real-Time PCR (RT-PCR) tests; 8 government laboratories and 8 private laboratories to test for TrueNat tests; 1 government laboratory and 9 private laboratories to test CBNAAT testing for COVID-19 in Tamil Nadu.

Methods:

Data on monthly numbers of histological and cytological samples, immunohistochemistry and molecular tests were extracted from the laboratory information management system.

Results:

The global histopathological and cytological workload was substantially reduced. The impact on oncology-related surgical procedures was rather limited. The anti-COVID-19 measures significantly diminished all screening-related samples, such as colon biopsies, breast biopsies and cervical cytology, and strongly reduced the number of samples related to "functional" pathology, such as thyroidectomies and gastric biopsies.

**TAMILNADU GOVERNMENT COVID-19 CORONA VIRUS TOTAL DISTRICT –
WISE TALLY (25.07.2020)**

| Contact | Total cases | Cured | Active | Deaths |
|------------------|-------------------------------|-------------------------------|---------------|---------------------------|
| Tamilnadu | 206737 +6988 | 151055 +7758 | 52273 | 3409 +89 |
| Chennai | 93537 +1331 | 77625 +1137 | 1926 | 1986 +20 |
| Chengalpattu | 11764 +456 | 8787 +583 | 2755 | 222 +4 |
| Thiruvallur | 11395 +387 | 7337 +682 | 3823 | 199 +6 |
| Madurai | 9595 +293 | 7394 +946 | 1999 | 202 +9 |
| Kanchipuram | 6796 +435 | 4273 +382 | 2437 | 86 +2 |
| Virudhunagar | 5573 +380 | 3164 +217 | 2357 | 52 +9 |
| Thoothukkudi | 5291 +320 | 2897 +307 | 2366 | 28 +1 |
| Thiruvannamalai | 4933 +152 | 3212 +322 | 1673 | 48 +4 |
| Velure | 4854 +208 | 3702 +330 | 1132 | 40 |
| Thirunelveli | 3595 +208 | 2116 +207 | 1458 | 21 +2 |
| Theni | 3556 +235 | 1940 +246 | 1570 | 46 +3 |
| Ranipettai | 3467 +244 | 1615 +95 | 1828 | 24 |
| Kanniyakumari | 3393 +269 | 1720 +397 | 1644 | 29 +2 |
| Thiruchirappalli | 3289 +200 | 2096 +333 | 1136 | 57 +6 |
| Coimbatore | 3237 +271 | 1826 +167 | 1373 | 38 +6 |
| Ramanathapuram | 2951 +86 | 2029 +12 | 867 | 55 +2 |
| Kallakkurichi | 2938 +105 | 2042 +39 | 877 | 19 +3 |
| Villupuram | 2923 +157 | 2100 +115 | 791 | 32 +1 |
| Salem | 2845 +113 | 2045 +107 | 778 | 22 +1 |
| cuddalore | 2250 +88 | 1570 +38 | 659 | 21 |
| Dindukkal | 2115 | 1603 | 478 | 34 |

| | | | | |
|-----------------------|--------------|--------------|-----|----------|
| | +103 | +153 | | +3 |
| Sivagangai | 1991 +85 | 1159 +177 | 799 | 33 +1 |
| Thanjavur | 1892 +162 | 943 +7 | 932 | 17 |
| Tenkasi | 1607 +101 | 837 +387 | 760 | 10 +1 |
| Pudukkottai | 1504 +110 | 897 +124 | 587 | 20 +2 |
| Airport Quarantine | 1262 +16 | 974 +23 | 287 | 1 |
| Thiruvarur | 1256 +100 | 751 +40 | 504 | 1 |
| Tirupathur | 864 +86 | 507 +24 | 349 | 8 +1 |
| Ariyalur | 800 +4 | 661 +29 | 135 | 4 |
| Tirupur | 668 +51 | 355 +30 | 306 | 7 |
| Krishnagiri | 664 +31 | 328 +14 | 322 | 14 |
| Nilgiris | 661 +40 | 469 +47 | 190 | 2 |
| Erode | 586 +22 | 433 +17 | 145 | 8 |
| Dharmapuri | 570 +29 | 278 +25 | 290 | 2 |
| Nagapattinam | 533 +10 | 302 +1 | 229 | 2 |
| Namakkal | 510 +51 | 234 +11 | 272 | 4 |
| Railway Quarantine | 424 | 412 | 12 | 0 |
| Karur | 352 +24 | 197 +8 | 146 | 9 |
| Perambalur | 296 +25 | 209 +5 | 84 | 3 |

Source: grainmart.in.

The table 1.1 shows the covid-19 corona virus Perambalur District total cases respondents 296+25, total cured 209+5 total active 84 total deaths 3 have low level, followed by Chennai District total respondents 93537+1331, total cured 77625+1137 total active 1926 total deaths 1986 have high level in Tamilnadu.

COVID-19

In 2019, the Centers for Disease Control and Prevention (CDC) started monitoring the outbreak of a new corona virus, SARS-CoV-2, which causes the respiratory illness now known as COVID-19. Authorities first identified the virus in Wuhan, China.

More than 74,000 people have contracted the virus in China. Health

authorities have identified many other people with COVID-19 around the world, including many in the United States. On January 31, 2020, the virus passed from one person to another in the U.S.

The World Health Organization (WHO) has declared a public health emergency relating to COVID-19.

The first people with COVID-19 had links to an animal and seafood market. This fact suggested that animals initially transmitted the virus to humans. However, people with a more recent diagnosis had no connections with or exposure to the market, confirming that humans can pass the virus to each other.

Symptoms

Cold- or flu-like symptoms usually set in from 2–4 days after a corona virus infection and are typically mild. However, symptoms vary from person-to-person, and some forms of the virus can be fatal.

Symptoms include:

1. Sneezing
2. Runny nose
3. Cough
4. Watery diarrhea
5. Fever in rare cases
6. Sore Throat
7. Exacerbated asthma

Scientists cannot easily cultivate human corona viruses in the laboratory unlike the rhinovirus, which is another cause of the common cold. This makes it difficult to gauge the impact of the corona virus on national economies and public health. There is no cure, so Treatments include self-care and over-the-counter (OTC) medication. People can take several steps, including:

1. Resting and avoiding overexertion
2. Drinking enough water
3. Avoiding smoking and smoky areas
4. Taking acetaminophen, ibuprofen, or naproxen for pain and fever
5. Using a clean humidifier or cool mist vaporizer

6. A doctor can diagnose the virus responsible by taking a sample of respiratory fluids,

Such as mucus from the nose, or blood

7. Standard recommendations to prevent infection spread.

CONCLUSIONS

A pandemic is not new in human history. But what makes the COVID-19 pandemic special is that it takes place in an unprecedented backdrop when the interconnectivity and interdependence between people, between countries and between continents are so deep. The achievements people have made in technology, intelligence and transportation make them both physically and psychologically globalized.

REFERENCE

1. Naoyaitou (2020) Corona virus disease 2019 (covid-19): a literature review *Journal of infection and public health, volume 13, issue 5, may 2020, pages 667-673*
2. Singhal, T. A Review of Coronavirus Disease-2019 (COVID-19). *Indian J Pediatr* (2020). <https://doi.org/10.1007/s12098-020-03263-6>.
3. Center for disease controle and prevention, coronavirus disease 2019 (COVID-19). <https://www.cdc.gov/coronavirus/2019-ncov/symptoms-testing/symptoms.html>.
4. Velavan TP, Meyer CG. The COVID-19 epidemic. *Trop Med Int Health*. 2020;25(3):278–280. doi:10.1111/tmi.13383 <https://pubmed.ncbi.nlm.nih.gov/32052514/>.
5. Countries where COVID-19 has spread, World ometers, 26March 2020. <https://www.worldometers.info/coronavirus/countries-where-coronavirus-has-spread/>.
6. Shereen M.A, Khan S, COVID-19 infection: origin, transmission, and characteristics of human

- coronaviruses *Journal of Advanced Research*, 16 March 2020. <https://www.sciencedirect.com/science/article/pii/S2090123220300540>.
7. Age, Sex, Existing Conditions of COVID-19 Cases and Deaths <https://www.worldometers.info/coronavirus/coronavirusage-sex-demographics/>. 9. Vally H, the Conversion, La Trobe University. <https://theconversation.com/why-are-older-people-more-at-risk-of-coronavirus-133770>.
 8. Koma W, Neuman T, How Many Adults Are at Risk of Serious Illness If Infected with Coronavirus? March 2020 | Data Note <http://files.kff.org/attachment/Data-Note-How-Many-AdultsAre-at-Risk-of-Serious-Illness-If-Infected-with-Coronavirus.pdf>
 9. WHO Q&A on coronaviruses (COVID-19). <https://www.who.int/news-room/q-a-detail/q-a-coronaviruses>.
 10. Gray R, Covid-19: How long does the coronavirus last on surfaces? BBC 17march 2020. <https://www.bbc.com/future/article/20200317-covid-19-how-long-does-the-coronaviruslast-on-surfaces>