

**CONCORSO PUBBLICO PER TITOLI ED ESAMI
PER COPERTURA A TEMPO INDETERMINATO E PIENO DI N. 1 POSTO DI**

**COLLABORATORE PROFESSIONALE SANITARIO
TECNICO SANITARIO DI LABORATORIO BIOMEDICO (CAT. D)**

PROVA ORALE 18 LUGLIO 2022

DOMANDA N. 1

DA QUALI FATTORI E' INFLUENZATA LA FISSAZIONE DI UN TESSUTO?

- L'hard disk è un:
 - A. Disco di musica pop
 - B. Componente del computer
 - C. Particolare nastro per registrazioni
 - D. Nuovo tipo di cd

If symptoms are suspected, the following actions should be taken¹²:

- Determine travel history to the Wuhan province or contact with person confirmed or under investigation for COVID-19 in a patient with fever and respiratory illness;

- Suspect cases should be discussed immediately with state or local health officials, and your facility's infection prevention personnel;

- Patients should wear a surgical mask and be placed in a private room (an airborne isolation room if available) with the door closed as soon as possible;

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DOMANDA N. 2

**QUAL'E' LA COLORAZIONE PIU' FREQUENTEMENTE UTILIZZATA PER I
PPREPARATI CITOLOGICI ?**

- Quale tra i seguenti supporti di memorizzazione non può essere cancellato?
 - A. Hard disk
 - B. RAM
 - C. Memory card
 - D. ROM

Human coronaviruses are common throughout the world.¹⁻³ Coronaviruses are enveloped, nonsegmented, single-stranded, positive-sense RNA viruses named after their corona- or crown-like surface projections observed on electron microscopy that correspond to large surface spike proteins. Coronaviruses are classified in the Nidovirales order.^{4,5} These viruses are host specific and can infect humans and a variety of different animals as well. Four distinct genera have been identified: alpha-, beta- gamma-, and deltacoronavirus.⁵ SARS and MERS are both in the genus betacoronavirus.⁵

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DOMANDA N. 3

COSA SI INTENDE PER ESAME ESTEMPORANEO, IN COSA CONSISTE?

- I comandi da utilizzare per spostare un file o una cartella nei sistemi operativi Windows sono:
 - A. Copia e incolla
 - B. Crea collegamento
 - C. Taglia e incolla
 - D. Spedisci

The clinical presentation is fever, nonproductive cough, and respiratory distress that tends to be more common in adults than in children. At this point, there are 965 cases reported in China in patients younger than age 19 years (416 cases in children younger than age 10 years).⁶ There is one recent clinical description of nine infants younger than age 1 year who have been hospitalized in China.⁷ All of these infants had mild illness and none required admission to the intensive care unit.⁷ In general, during the SARS and MERS outbreaks, clinical infection in children was mild.⁸

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DOMANDA N. 4

HPV TEST E SCREENING CITOLOGICO

- Quale delle seguenti estensioni identifica un tipo di file compresso:
 - A. .xls
 - B. .rtf
 - C. .zip
 - D. .raw

The first case of the coronavirus, officially labeled COVID-19 by the World Health Organization, in the United States was confirmed in Washington state in a traveler who had visited Wuhan, China, and upon return became symptomatic.¹ Based on the most recent reports at the time of this publication, there are now 60 confirmed cases in the US.^{2,3} COVID-19 is from the same group of ribonucleic acid (RNA) viruses that caused severe acute respiratory syndrome (SARS) and Middle East respiratory syndrome (MERS).

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DOMANDA N. 5

FASE PREANALITICA NEL LABORATORIO DI PATOLOGIA CLINICA

- Quali tra i seguenti non può essere considerato un software applicativo:
 - A. Microsoft excel
 - B. Adobe reader
 - C. Winzip
 - D. Microsoft windows

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DOMANDA N. 6

DA COSA SONO RAPPRESENTATI GLI INDICI CORPUSCOLARI?

- La RAM è una memoria ad accesso:
 - A. Diretto
 - B. Sequenziale
 - C. Casuale
 - D. Libero

In the WHO European Region, COVID-19 surveillance was implemented 27 January 2020. We detail the first European cases. As at 21 February, nine European countries reported 47 cases. Among 38 cases studied, 21 were linked to two clusters in Germany and France, 14 were infected in China. Median case age was 42 years; 25 were male. Late detection of the clusters' index cases delayed isolation of further local cases. As at 5 March, there were 4,250 cases.

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DOMANDA N. 7

TERRENO RACCOMANDATO PER NEISSERIA E HAEMOPHILUS

- In ambito informatico cosa è un URL?
 - A. Un indirizzo internet
 - B. Un linguaggio di programmazione
 - C. Un tipo di file
 - D. Un tipo di indirizzo di posta elettronica

Symptoms at the point of diagnosis were reported for 31 cases. Two cases were asymptomatic and remained so until tested negative. The asymptomatic cases were tested as part of screening following repatriation and during contact tracing respectively. Of the remaining 29, 20 reported fever, 14 reported cough and eight reported weakness. Additional symptoms reported included headaches (6 cases), sore throat (2), rhinorrhoea (2), shortness of breath (2), myalgia (1), diarrhoea (1) and nausea (1). Fever was reported as the sole symptom for nine cases. In 16 of 29 symptomatic cases, the symptoms at diagnosis were consistent with the case definition for acute respiratory infection [16], although it is possible that cases presented additional symptoms after diagnosis and these were not reported.

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DOMANDA N. 8

ANTICOAGULANTI IN LABORATORIO ANALISI

- Con quale dispositivo hardware viene solitamente utilizzato un software OCR?
 - A. Plotter
 - B. Switch
 - C. Scanner
 - D. Network

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DOMANDA N. 9

**A COSA SERVE LA FISSAZIONE IN FORMALINA DI UN PEZZO ANATOMICO?
QUALI SONO I PIU' FREQUENTI ARTEFATTI DELL' IPOFISSAZIONE E
DELL'IPERFISSAZIONE?**

- Quale tra i seguenti componenti non è presente sulla scheda madre di un computer:
 - A. Microprocessore
 - B. Memoria RAM
 - C. Memoria ROM
 - D. Lettore- CD/DVD

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DOMANDA N. 10

IL LABORATORIO ANALISI E GLI ESAMI URGENTI

- L'insieme delle unità fisiche che compongono un sistema di elaborazione dati si dice:
 - A. Software
 - B. Cd
 - C. Hardware
 - D. Mouse

As of 31 January 2020, mainland China reported 11,791 confirmed cases of novel coronavirus (COVID-19) infections, causing 259 deaths [1]. Initially, these infections were thought to result from zoonotic (animal-to-human) transmission; however, recently published evidence [2] and the exponential growth of case incidence show compelling evidence of human-to-human secondary transmission fueled by travel, with many cases detected in other parts of the world [3]. This geographic expansion beyond the initial epicenter of Wuhan provides an opportunity to study the natural history of COVID-19 infection, as these migration events limit the risk of infection to the time during which an individual traveled to an area where exposure could occur [4].

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DOMANDA N. 11

**CHE PROBLEMATICHE LABORATORISTICHE PUO' DARE UN CAMPIONE
EMOLIZZATO?**

- Che cos'è u indirizzo IP:
 - A. Un protocollo di trasferimento di file
 - B. Una particolare scheda di espansione dei pc
 - C. Un identificativo univoco assegnato ad un computer in rete
 - D. Un sistema di Instant Messaging

The ratio of male to female cases among living cases resembled [2], at 58%, with most 30–59 years of age (information missing for 9 cases). The deceased cases were more predominantly male (70%) and older (85% were 60 years of age or older). Table 1 shows estimates for the various time intervals without right truncation. For the incubation period estimates, the lognormal distribution provided the best fit to the data, both when excluding and including Wuhan residents. The mean incubation period was estimated at 5.0 days (95% credible interval [CI]: 4.2, 6.0) when excluding Wuhan residents ($n = 52$) and 5.6 days (95% CI: 5.0, 6.3) when including Wuhan residents ($n = 158$).

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DOMANDA N. 12

**ESAMI MICROBIOLOGICI URGENTI: LIQUOR, ANTIGENI SOLUBILI, MALARIA,
CDTEST**

- Quale tra le seguenti è una periferica in input:
 - A. Casse audio
 - B. Stampante
 - C. Monitor
 - D. Scanner

The time from the illness onset to death is also comparable to SARS [15], and the 15–20-day mean delay indicates that a crude estimation of the ratio of the cumulative number of deaths to that of confirmed cases will tend to result in an underestimation of the case fatality risk, especially during the early stage of epidemic spread [18,19]. During the SARS epidemic in Hong Kong, 2003, the time from illness onset to hospital admission was shown to have shortened as a function of the calendar time, gradually reflecting the effects of contact tracing [9]. It remains to be seen if this will be the case for COVID-19 as well. The time delay distribution between illness onset and hospital admission may also be negatively associated with the basic reproduction number, i.e., the average number of secondary cases generated by a single primary case in a fully susceptible population [18].

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DOMANDA N. 13

COME SI DIFFERENZIANO I TERRENI DI COLTURA?

- Quale dei seguenti dispositivi può essere utilizzato per l'elaborazione dei dati a distanza
 - A. CAD
 - B. Plotter
 - C. Modem
 - D. Scanner

All cases were confirmed according to specific assays targeting at least two separate genes (envelope (E) gene as a screening test and RNA-dependent RNA polymerase (RdRp) gene or nucleoprotein (N) gene for confirmation) [8,17]. The specimen types tested were reported for 27 cases: 15 had positive nasopharyngeal swabs, nine had positive throat swabs, three cases had positive sputum, two had a positive nasal swab, one case had a positive nasopharyngeal aspirate and one a positive endotracheal aspirate.
