

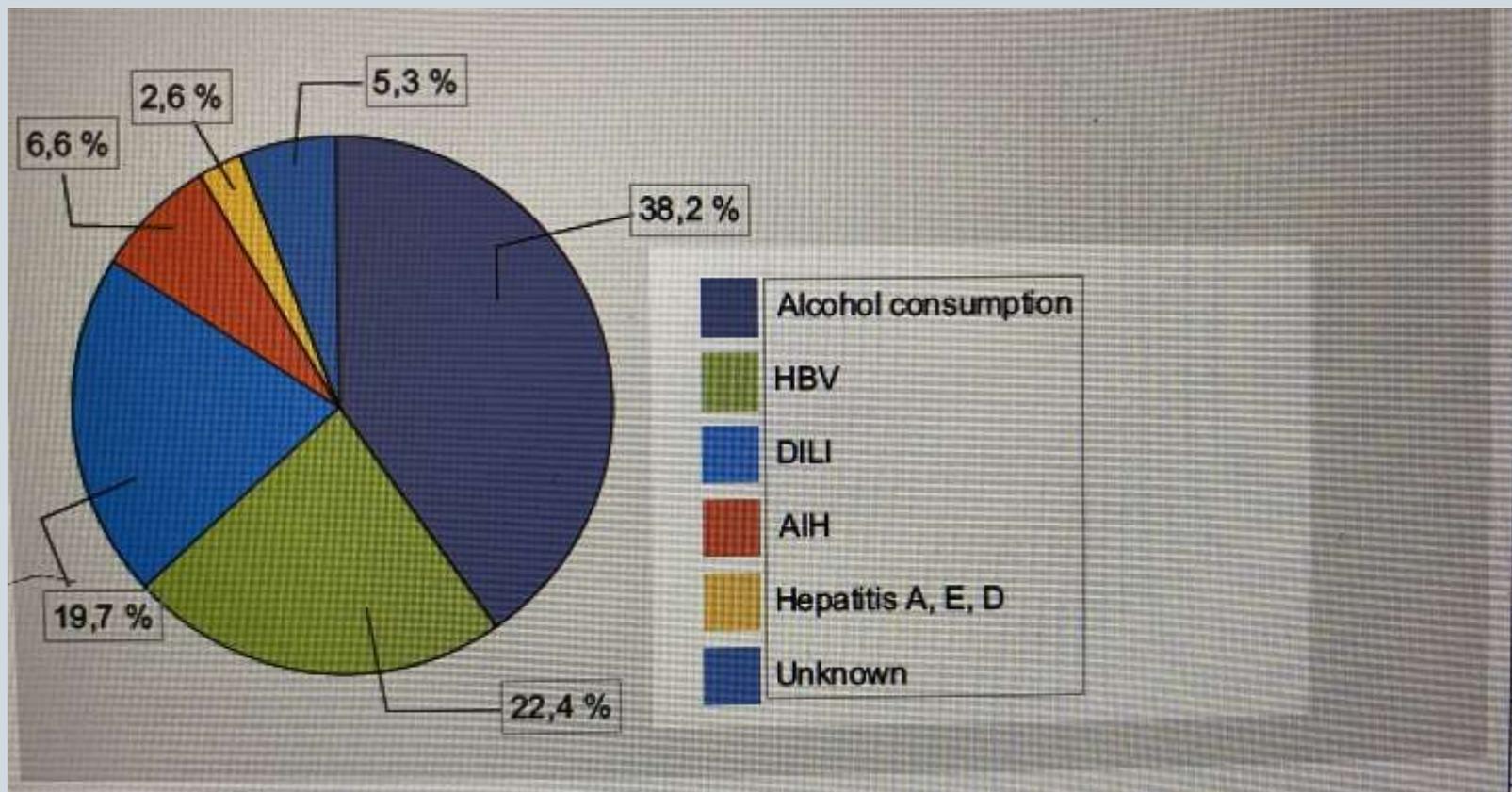


Case presentation

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Etiological spectrum of acute insults





Case Presentation

Demographic data

- Gender: female
- Age /years/: 61
- BMI: 19.53

Admitted to NCID on 4th day of disease with weakness, jaundice, and dark urine.

No significant past illness



History of Disease

- SARS-Cov-2 positive
- Severe Covid19 associated pneumonia (2 months before hospitalization)
- Pulmonary tuberculosis (diagnosed during Covid-19) cured with anti-tubercular including isoniazid; rifampin; ethambutol; pyrazinamide

Patients Vital Signs

	4 th day (At admission)	7 th day	15 th day	33 th day (at discharge)
Temperature (°C)	37	36.7	36.5	36.6
SBP (mm hg)	105	100	100	110
DBP (mm hg)	80	90	70	80
Pulse (pulsation/min)	96	91	105	95
Glasgow Coma Scale	15	15	15	15

Laboratory Tests

	4 th day	7 th day	15 th day	33 rd day
PLT x10 ⁹ cells/mm ³	202	224	205	230
NEU x10 ⁹ cells/mm ³	2.75	6.06	4.62	2.82
Serum bilirubin, mcmol/L	320	342	397	230
AST	6875	787	133	45
ALT	3824	1580	486	47
Serum sodium, mmol/L	132	133	139	136
Serum albumin, g/L	31	27	31	33
INR	4.5	3.22	1.74	1.18
MELD/ AARC/Child-Pugh	35/10/ 12(C)	32/9/ 12(C)	25/7/ 10(C)	19/7/ 9(B)

Serological tests

HBsAg	Positive
HBcor IgM	Positive (1.8)
HBeAg	Negative
HBV DNA IU/ml	211 699
HDV IgM/IgG	Negative
HCV IgM, IgG	Negative
HIV 1/2	Negative
HEV IgM	Negative

Radiological examination

- Ultrasound examination revealed portal hypertension, ascites (about 1.5L)
- X-Ray revealed postCovid fibrosis
- Elastography of liver F2 according to METAVIR Score



ACLF insults

Chronic insult

- Chronic hepatitis B

Acute insult

- Reactivation of chronic HBV
- Anti-tubercular treatment
- Covid 19?
- Covid 19 treatment



Treatment

- Symptomatic
- Antiviral (Tenofovir)

3 months later

- Elastography of liver F2 according to METAVIR Score
- Clinical recovery
- HBV DNA negative
- HBsAg negative without seroconversion

Thank you
