MDR-TB patient TB relapse after COVID -19

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Patient's history

- M. G., 63-year-old male
- ▶ TB since 2016
- Diagnosis: infiltrative TB, left lung upper lobe in destruction phase, dissemination, MDR-TB, chronic hepatitis C.
- > DST results: resistance to R,H,E,Z,S, susceptibility to Ami, Ofx;
- 14.04.2016-30.06.2016 treatment with Cm,Cs,Mfx,Pto,Pas, Z
- Treatment adjustment: Dlm, Imp+ Amx /Clv,Cm, Lfx,Cfz
- ▶ 08.08.2016r Cs and Dlm discontinued, started on Bdq

Treatment management

Adverse reactions

QTcF interval prolongation, hepatotoxicity, ototoxicity, treatment or medication was discontinued repeatedly (Bdq or Cfz)

- > 21.12.2016 Cm discontinued, started on Cs
- > 14.04.2017 r, Bdq and Cfz permanently discontinued
- Hepatitis C treatment (27.07.2017–16.10.2017 SOF+ DCV), G -x HCV SVR 12 _neg_ cure
- TB treatment continued with the following regimen: Imp+ Amx/Clv,Cs,Lfx, Pto till 09.07.2018
- Treatment outcome cure

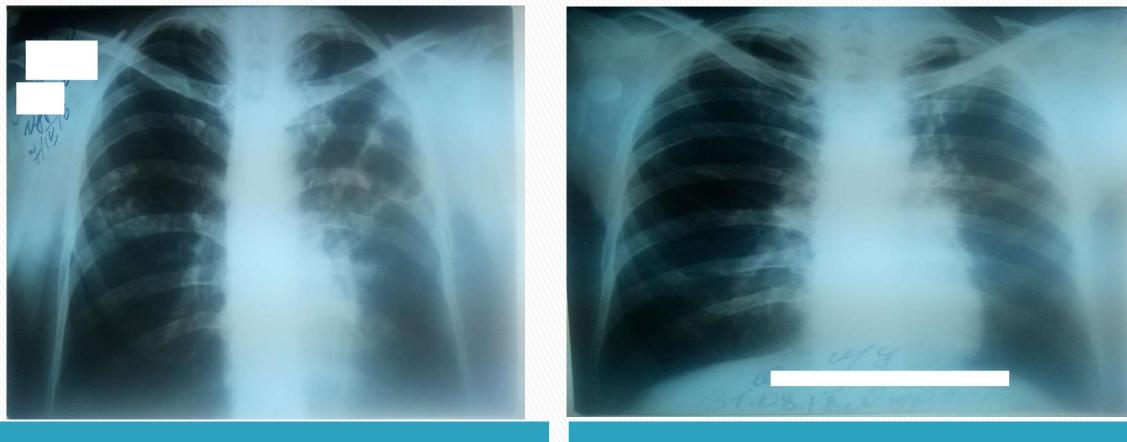
Mycobacteriology test results in the course of treatment

- 08.04.2016 SS pos., SC pos. DST results: resistant to HRZE, Sensitive to Am; Ofx
- 14 negative cultures (last positive result reported on 06.09.2016)
- Radiology results positive trend
- In august 2018 PAS discontinued
- 11.01.2019 regular evaluation (x-ray, sputum), no exacerbation of the TB process reported

COVID 19

- October 2020 contracted Covid, mild condition
- Home treatment, dexamethasone was not indicated
- 26.11.2020 hospitalization at the TB clinic pulmonary infiltrative TB in dissemination phase. Positive bacteriology results+MDR, relapse
- DST results resistance to H, R, E, Z, Ami, susceptibility to FLQ, Ami
- > 28.11.2020 started on Bdq, Dlm, Lfx, Cfz, Cs
- > 29.12.2020 sleeping disorder, Cs replaced with Lzd
- Prolongation of QTcF interval (19.03.2021 QTcF= 485
- 02.04.2021 QTcF = 490;09.04.21 QTcF = 470;
- ► 13.04.2021 QTcF= 485:

Radiology examination



04.2016 /

08.2018

Radiology examination

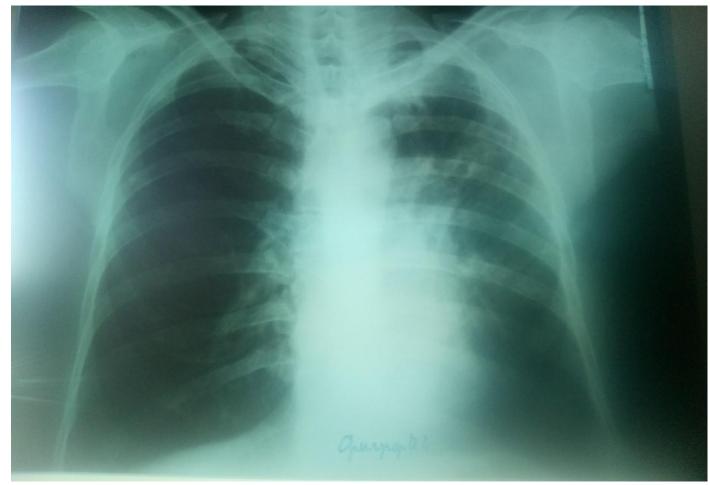




10.2018

11.2020

Radiology examination on 09.2021



Adverse reactions

Adverse reactions

Prolongation of QTcF interval up to 490m/sec

- Treatment is temporarily discontinued while looking for the cause
- Patient is discharged from the inpatient clinic on 05.03.2021
- Did not receive medication for about a month
- Treatment continued at the local TB unit

Changes in treatment

- Treatment discontinued from 03.03.2021 to 20.04.2021
- > 20.04.2021 started on Dlm+ Lzd
- ▶ 26.04.2021 QTcF = 406; + Bdq
- 01.05.2021 QTcF = 413; +Cfz+Lfx
- Receives Bdq-Lzd-Lfx-Cfz- Dlm
- Current treatment is well tolerated
- 20.09.21 QTcF=390; ALT=21, AST= 33,0

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- Current treatment is well tolerated, patient is adherent to treatment
- 20.09.21 QTcF=390; ALT=21, AST= 33,0





We are strong-willed, we are a team, we will overcome Covid/TB



Thank you!