

SUPPLEMENTARY TABLE 1: CHARACTERISTICS OF PATIENTS WHO DEVELOPED OR WERE TREATED FOR ACTIVE TB

Patient number	Age (decade) / Sex	TB incidence in country of birth	Number of decades resident in UK	TB symptoms	Relevant past medical history	Relevant drug history	Other TB risk factors	History of treatment for TB or LTBI	TB screening prior to commencement of biologic therapy	IGRA screening results
1	80s / male	Low	4	Cough, lethargy, anorexia, weight loss	Lymphoma, previous solid organ malignancy	Rituximab, cyclophosphamide, vincristine, prednisolone	No history of BCG vaccination	No	No	First QFT-G positive leading to TB diagnosis
2	70s / female	High	4	Cough, sputum production, haemoptysis, dyspnoea, fevers, anorexia, weight loss	Psoriatic arthropathy, previous solid organ malignancy	Etanercept, inhaled corticosteroid	Smoking, alcohol excess, malnourished	Treated for LTBI	Yes	A historical TSPOT.TB was positive, dating from after LTBI treatment. A subsequent TSPOT.TB was borderline prior to starting treatment for pulmonary TB.
3	50s / male	Low	Since birth	Cough, sputum production	Lymphoma	Methotrexate, cytarabine, thiotepe, rituximab	No history of BCG vaccination	No	No	No IGRA tests identified.
4	70s / male	Low	4	Cough, weight loss	Focal sclerosing glomerulosclerosis	Rituximab, tacrolimus	No history of BCG vaccination, malnourished	Treated for LTBI	No	No screening IGRA tests but TSPOT.TB positive at time of symptoms.
5	70s / male	Low	Since birth	Constitutional symptoms in context of pleural effusion	Rheumatoid arthritis	Infliximab, methotrexate	Previous contact with active TB	No	Unclear	Only IGRA on record is an indeterminate QFT-G which post dates diagnosis.
6	60s / male	Low	Since birth	Cough, dyspnoea, night sweats, malaise	Psoriatic arthropathy	Adalimumab, methotrexate, sulfasalazine	No history of BCG vaccination, previous travel history to high TB incidence countries	Unknown	No	No IGRA tests identified
7	30s / female	Low	Since birth	Night sweats, weight loss	Rheumatoid arthritis	Adalimumab, rituximab, sulfasalazine, hydroxychloroquine, prednisolone	Previous travel history to high TB incidence countries	No	Yes	Screening TSPOT.TB negative, at time of symptoms repeat TSPOT.TB positive.
8	80s / male	High	5	Fevers	Ulcerative colitis, lymphoma	Infliximab, prednisolone, mesalazine	Previous travel history to high TB incidence countries	No	Yes	Screening TSPOT.TB pre biologics negative. Repeated as workup for pyrexia 3 months later, positive, leading to treatment.
9	30s / female	Low	Since birth	Night sweats	Crohn's disease, aspergilloma	Infliximab, azathioprine	Smoking	No	Yes	Initial screening TSPOT.TB indeterminate, which was again indeterminate two years later, then negative repeated immediately. Ongoing symptoms led to QFT which was positive. Later repeat TSPOT.TBs remained indeterminate.
10	50s / female	Low	1	Fevers	Leukaemia	Rituximab, clofarabine, cytarabine, fludarabine, mycophenolate mofetil	None	No	Unclear	First TSPOT.TB on record indeterminate. A QFT-G was conducted after diagnosis and treatment which was negative.
11	40s / male	High	1	Cough, dyspnoea, fevers, night sweats,	Ulcerative colitis, previous lymphoma	Infliximab, prednisolone,	None	No	Yes	Three negative TSPOT.TB results, spanning screening,

				weight loss		mesalazine				biologic treatment and around diagnosis of active TB.
12	40s / male	Low	Since birth	Back pain	Multiple sclerosis	Natalizumab, methylprednisolone	None	No	Unclear	No IGRA tests identified, although patient from distant hospital.
13	80s / female	Low	4	Cough	Lymphoma	Rituximab, cyclophosphamide, doxorubicin, vincristine, prednisolone	Previous contact with active TB	Treated for LTBI	Yes	A positive screening TSPOT.TB triggered LTBI treatment, but later active TB occurred. No further IGRAs.
14	40s / male	Low	Since birth	Cough, fevers	Crohn's disease	Infliximab, prednisolone	Smoking	No	Yes	Screening TSPOT.TB negative, but symptomatic after commencing biologics. Three subsequent TSPOT.TBs all positive.
15	60s / female	High	Unknown	None	Rheumatoid arthritis	Etanercept, methotrexate	None	No	Unclear	Initial screening status unknown, but re-screened prior to biologic change and found to have positive TSPOT.TB.
16	60s / female	High	4	Fevers, malaise	Rheumatoid arthritis	Etanercept, methotrexate	None	Incomplete treatment for LTBI; treatment stopped after 1 month due to hepatotoxicity)	Yes	Screening TSPOT.TB indeterminate and repeat negative but disseminated TB on imaging.