

Table 1. Clinical details of patients diagnosed with bacterial endogenous endophthalmitis in our cohort

Patient no.	Year	Age/ Sex	Ethnicity	Systemic conditions	Laterality	Source(s) of infection	Blood culture	Cultures from vitreous fluid	Other cultures	Visual symptoms	Signs	No. and types of intravitreal injections	Vitrectomy	Initial VA	Latest VA	Systemic antibiotics	On antibiotics prior to diagnosis of EE <sup>a</sup>	Mortality
1	2014	57M	Malay	DM, IHD, previous hepatic and retropharyngeal abscess, ESRF	R	Pyelonephritis	No growth	No growth	NA	Blurring of vision	Hypopyon, vitritis	1-4 : V/A	Yes (x2)	PL	6/30	Ciprofloxacin	No	No
2	2014	53M	Chinese	DM	R	UTI	MSSA	MSSA	Urine: MSSA	Blurring of vision, eye pain	Hypopyon, vitritis	1 : V/A 2 : V/C	Yes (x1)	PL	PL	Cloxacillin	No	No
3	2015	60M	Chinese	DM	R	UTI	No growth	<i>Klebsiella pneumoniae</i>	Urine: <i>Klebsiella pneumoniae</i>	Blurring of vision, eye pain	Hypopyon, vitritis	1-5 : V/C 6 : G	Yes (x1)	HM	NPL	Ciprofloxacin	No	No
4	2015	64M	Chinese	DM, HTN, IHD	R	Infective endocarditis	GBS	No growth	NA	Blurring of vision, eye pain, floaters	Vitritis, choroidal abscess	1 : V/A 2 : V	nil	CF	6/7.5	Ceftriaxone	No	No
5	2016	49M	Chinese	DM, HLD	L	Liver abscess	No growth	No growth	NA	Blurring of vision, eye pain	Hypopyon, vitritis	1: V/C 2 : C 3 : A	nil	PL	NPL	Ciprofloxacin, ceftriaxone, meropenem	Yes	No
6	2016	74M	Chinese	HTN, IHD, AF, COPD	R	Septic arthritis	No growth	Mixed bacterial growth <sup>b</sup>	Joint fluid: <i>Pseudomonas aeruginosa</i>	Blurring of vision, eye pain	Hypopyon, hyphema, vitritis	1 : V/C 2 : V/A	nil	PL	-	Piperacillin/tazobactam, voriconazole, fluconazole, vancomycin, levofloxacin	Yes	Yes
7	2017	58F	Chinese	HTN, ESRF, NPC, hypothyroidism	R	Infective endocarditis	GBS	No growth	NA	Blurring of vision, eye pain	Hypopyon, vitritis	1 : A/C 2-4 : V	nil	CF	-	Ampicillin, vancomycin, ceftriaxone, meropenem, gentamicin, penicillin G	No	Yes
8	2017	57F	Chinese	DM	R	Septic arthritis	MSSA	No growth	Joint fluid: MSSA	Blurring of vision, floaters	Vitritis	1 : V	Yes (x1)	N18	6/7.5	Cefazolin	Yes	No
9	2017	36F	Malay	DM	R	Large axillary abscess	No growth	No growth	Abscess: MSSA	Floaters, eye redness	Vitritis, choroidoretinal abscess	1 : V/C	nil	6/7.5	6/6	Cloxacillin	Yes	No

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10	2018	68M	Chinese	Nil	R	Unknown <sup>b</sup>	GBS	GBS	Urine: no growth	Blurring of vision, eye pain	Hyopyon, vitritis	1-5 : V/C	Yes (x2)	HM	- (Eviscerated)	Ceftriaxone	No	No
11	2019	56F	Chinese	DM, CKD, HTN	L	Gastrointestinal tract infection	GBS	No growth	Peripheral line: <i>Candida albicans</i>	Blurring of vision	Vitritis, choroidoretinal abscess	1 : V	Yes (x2)	CF	CF	Meropenem, clindamycin, vancomycin, piperacillin/tazobactam, levofloxacin, anidulafungin, fluconazole	Yes	No
12	2020	42M	Indian	DM	L	Liver abscess	<i>Klebsiella pneumoniae</i>	No growth	Abscess: <i>Klebsiella pneumoniae</i>	Blurring of vision	Vitritis, retinal abscess	1 : V/A 2 : A 3-4 : V/C	Yes (x1)	CF	PL	Ceftriaxone, ciprofloxacin	Yes	No
13	2021	57F	Chinese	DM	R	Disseminated abscesses (lung and kidney)	No growth	No growth	Perinephric abscess: <i>Escherichia coli</i>	Blurring of vision	Hyopyon, vitritis, choroidal abscess	1-3 : V/C 4-5 : C	nil	HM	CF	Ceftriaxone	No	No
14	2021	50M	Chinese	DM, HLD	R	Liver abscess	<i>Klebsiella pneumoniae</i>	No growth	Abscess: <i>Klebsiella pneumoniae</i>	Blurring of vision, floaters	Vitritis	1-4 : C	nil	N6 <sup>b</sup>	6/6	Ceftriaxone, ciprofloxacin	Yes	No
15	2021	66F	Malay	DM	L	Liver abscess	<i>Klebsiella pneumoniae</i>	No growth	Abscess: <i>Klebsiella pneumoniae</i>	Nil	Retinal infiltrates, mild vitreous haze	1 : V/C	nil	N12 <sup>c</sup>	6/9	Meropenem, ceftriaxone, piperacillin/tazobactam, ciprofloxacin	Yes	No

AF: atrial fibrillation; A: amikacin; C: ceftazidime; CF: counting finger; CKD: chronic kidney disease; COPD: chronic obstructive pulmonary disease; DM: diabetes mellitus; EE: endogenous endophthalmitis; ESRF: end-stage renal failure; F: female; GBS: *Streptococcus agalactiae* (Group B); HLD: hyperlipidaemia; HM: hand movement; HTN: hypertension; IHD: ischaemic heart disease; L: left; M: male; MSSA: methicillin-sensitive *Staphylococcus aureus*; NA: not available; NPC: nasopharyngeal carcinoma; NPL: no perception of light; PL: perception of light; R: right; UTI: urinary tract infection; V: vancomycin ; VA: visual acuity

<sup>a</sup> Endogenous endophthalmitis was the first presentation in patients who were not on systemic antibiotics prior to diagnosis

<sup>b</sup> *Pseudomonas stutzeri*, Coagulase-negative *Staphylococcus*, *Moraxella spp.*, *Micrococcus spp.*

<sup>c</sup> Bedside assessment with handheld near chart