Fundus Examination

UI Medical Unit

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CASE I

History

A 41yr old male admitted with

- H/o easy fatiguability - 1 week
- H/o cough with streaks of blood - 1week
- H/o decreased vision in left eye 1 day
- No h/o fever,chest pain,abdomen distension,jaundice, decreased urine output, swelling of legs, ulcers, skin rashes, swelling
- No h/o any other bleeding manifestations
- Nil significant past history, family history
- Non smoker , non alcoholic

Examination

Patient is anemic, afebrile

Comfortable at rest

No clubbing, LN, icterus, pedal edema, skin rashes

Vitals - BP 110/60mmHg , Pulse Rate 110/min large volume pulse

System exam -

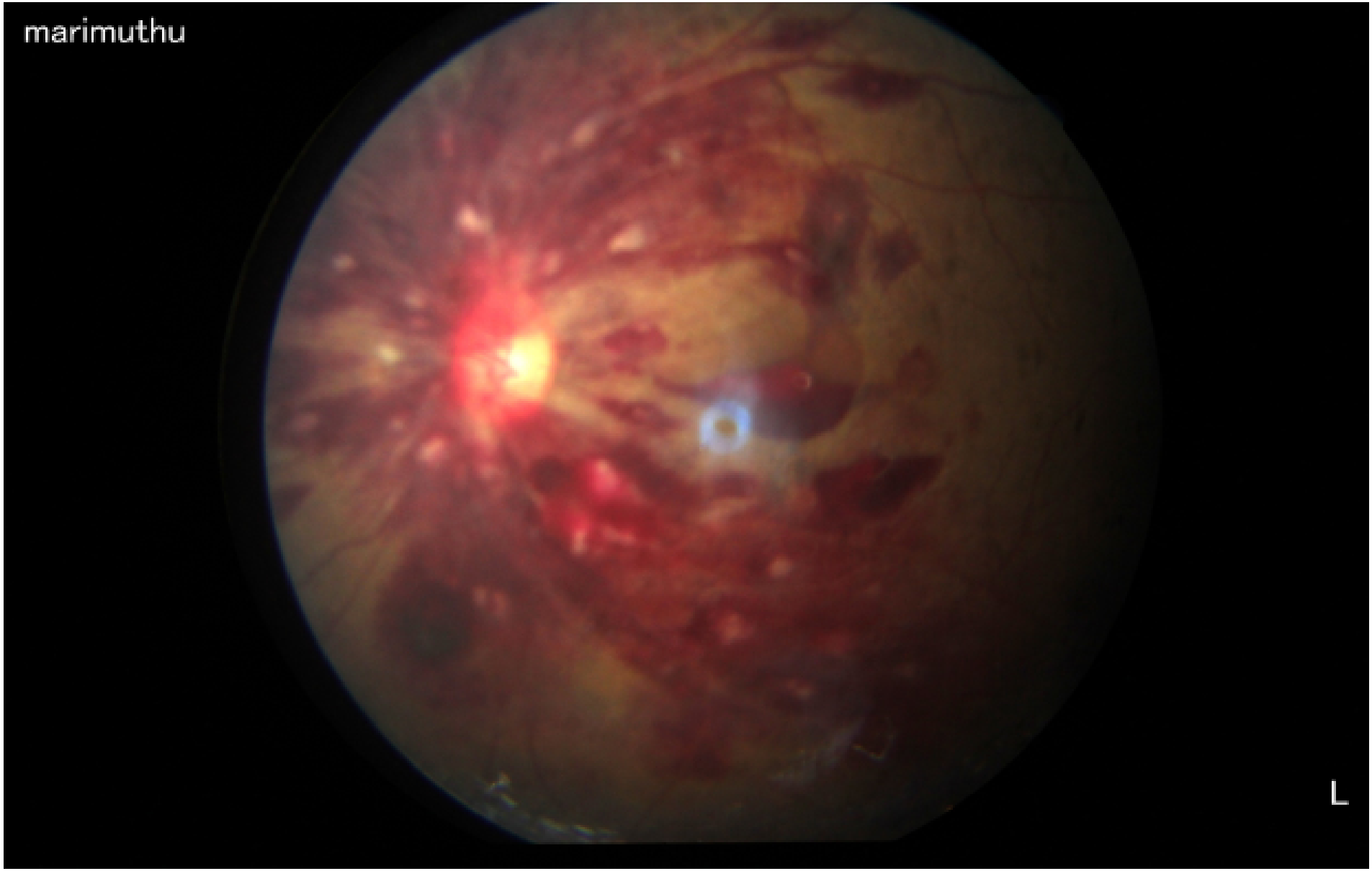
CVS -S1S2 heard, tachycardia +

RS - B/L NVBS, No added sounds

P/A soft no organomegaly

CNS - HMF intact , No FND

Except for Vision RE 20/40 LE 20/400 (bedside vision test)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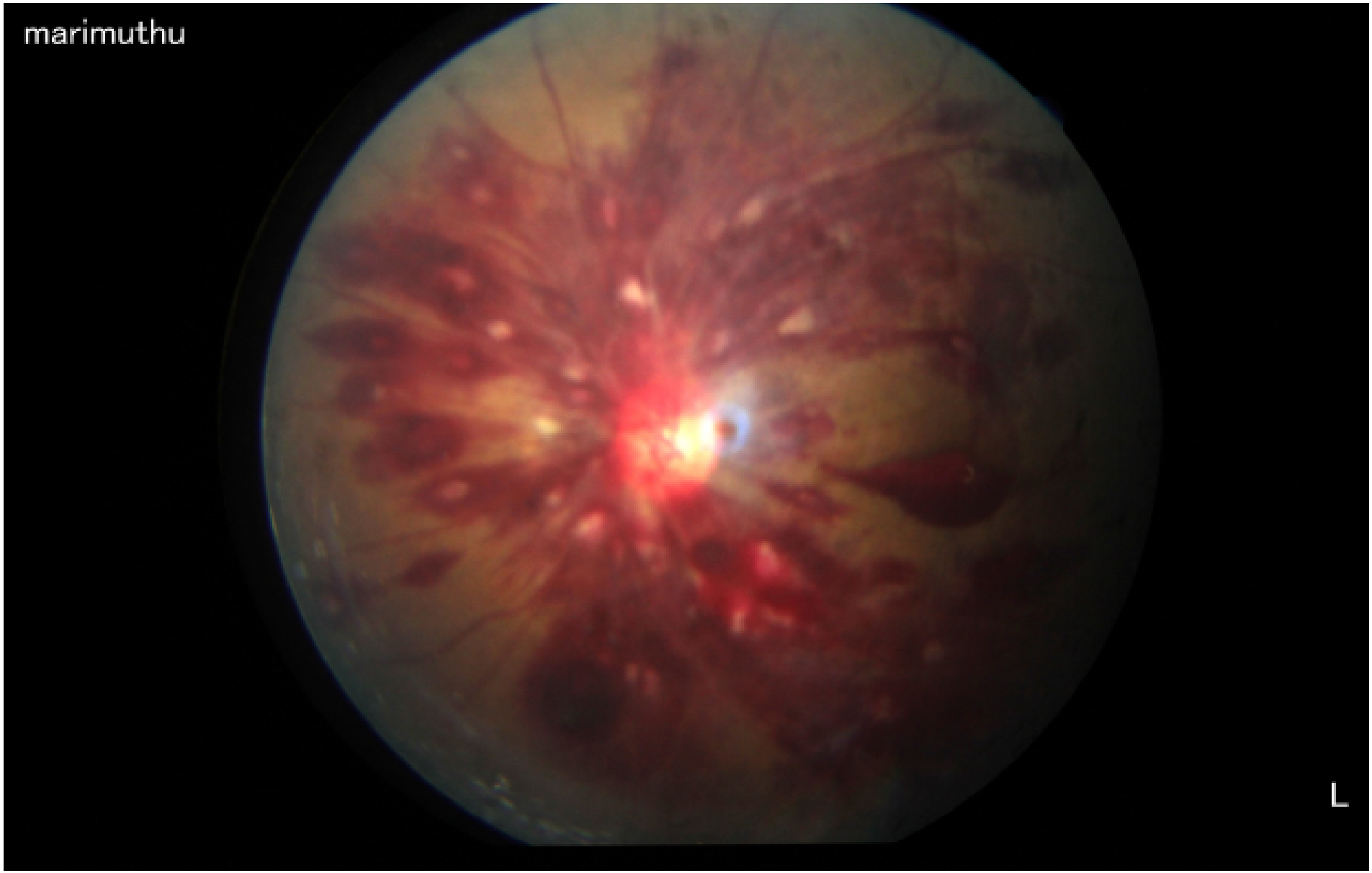
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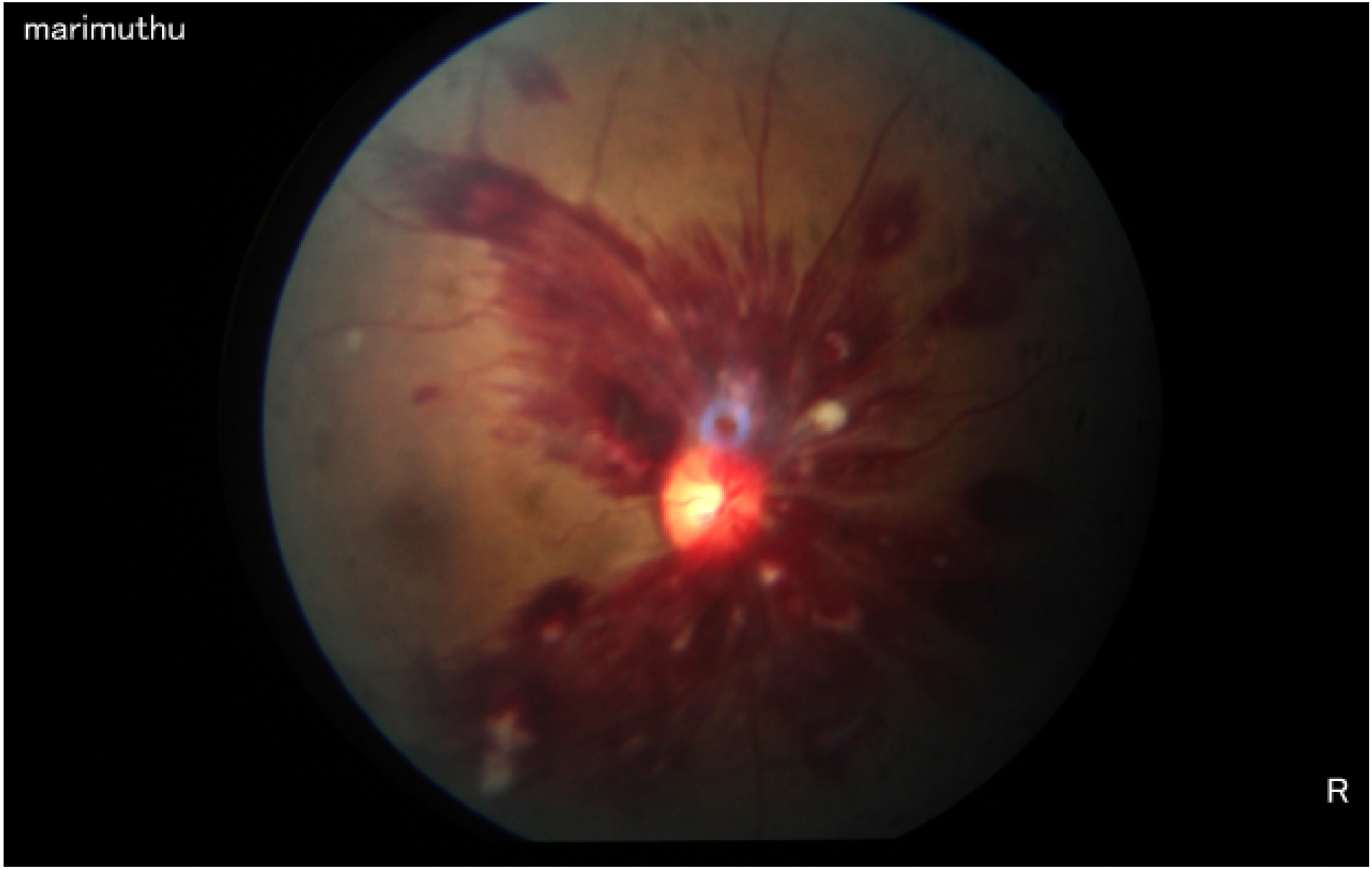
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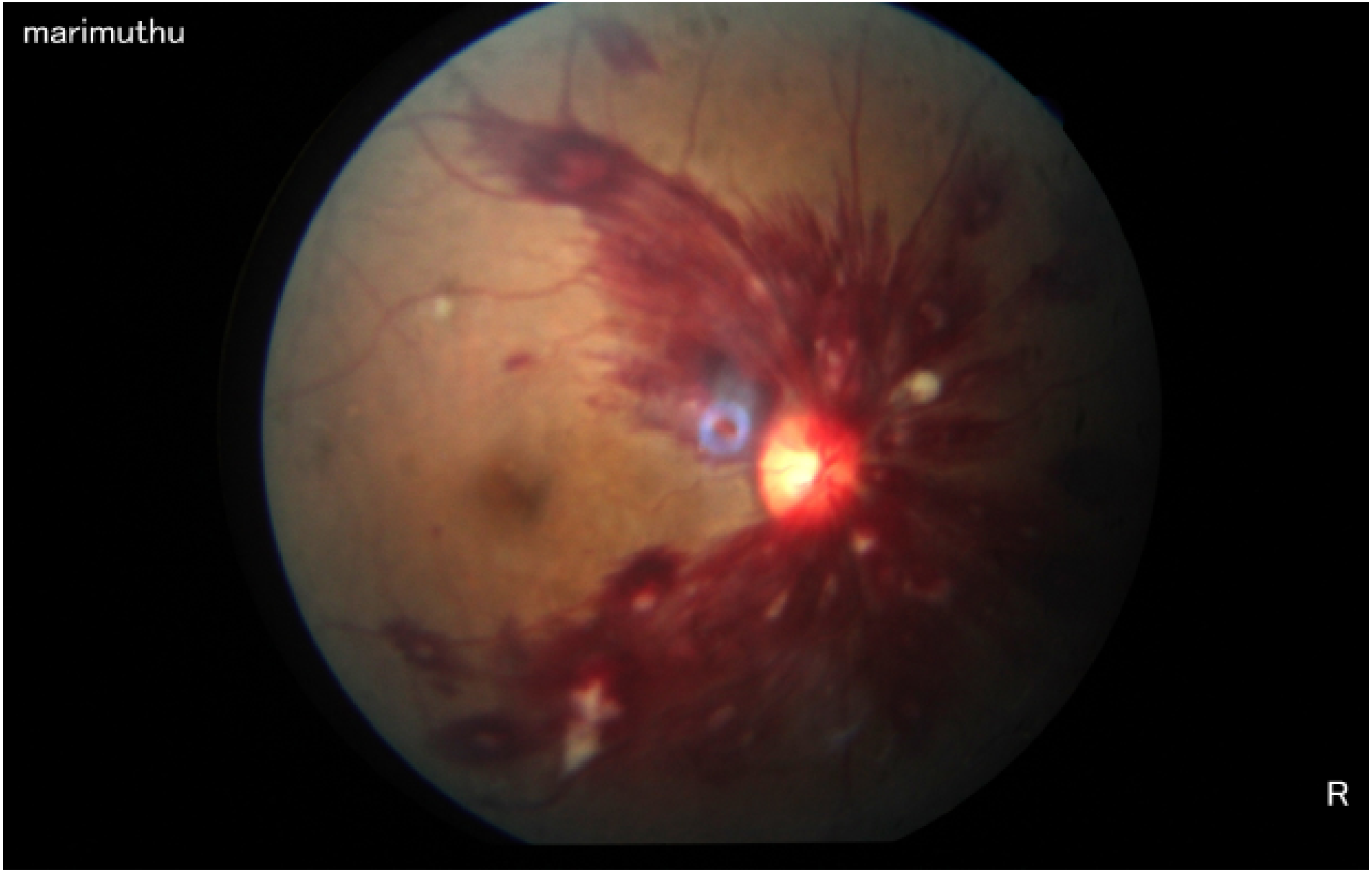
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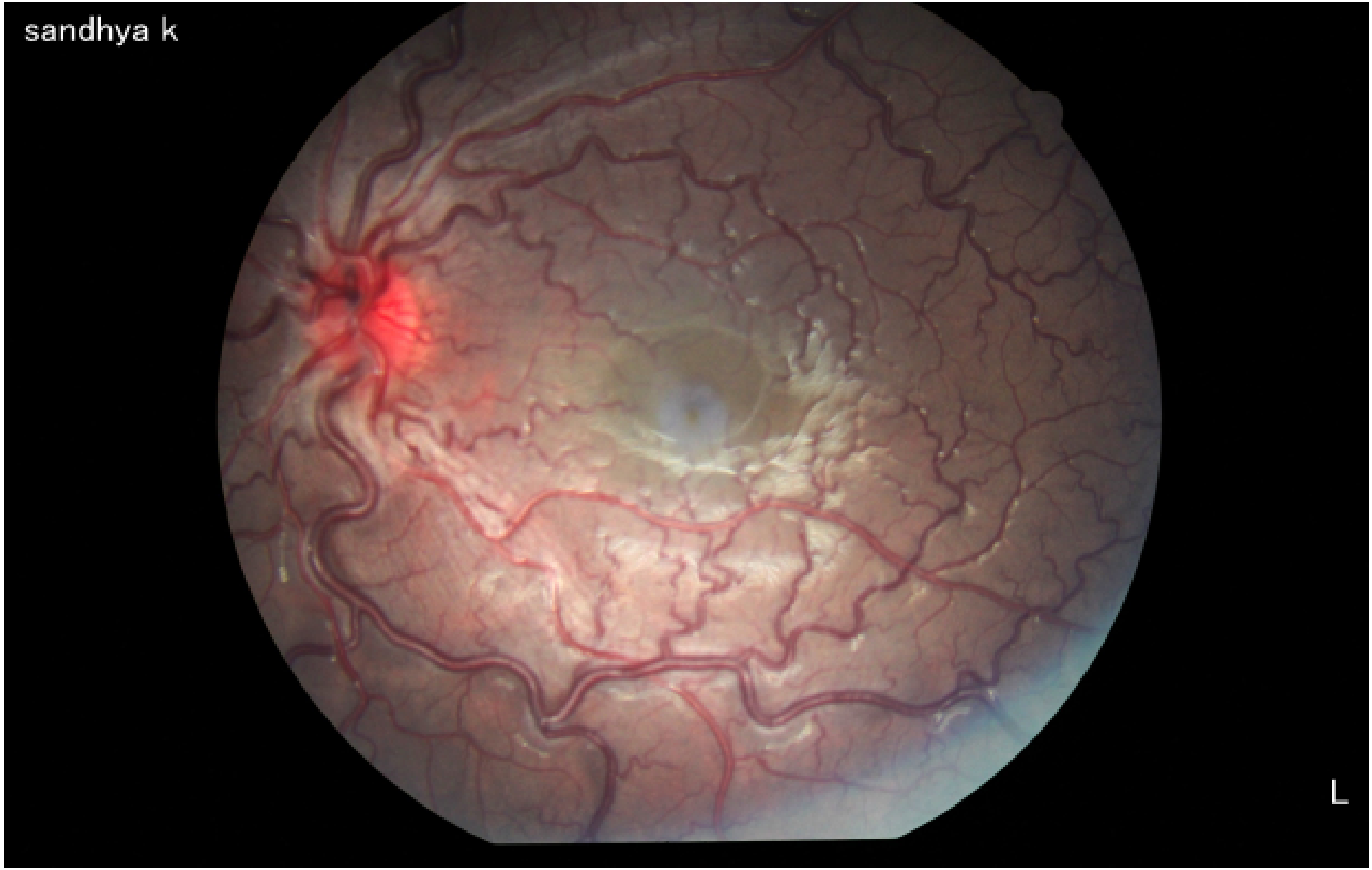
CASE II

A 14 yr old female k/c/o Cyanotic congential heart disease admitted with

- H/o difficulty in breathing
- H/o giddiness and syncope episodes
- No h/o fever, any bleeding manifestations, seizures, altered behavior

On exam, patient is conscious

- Cyanotic, pandigital clubbing +
- Congested Conjunctiva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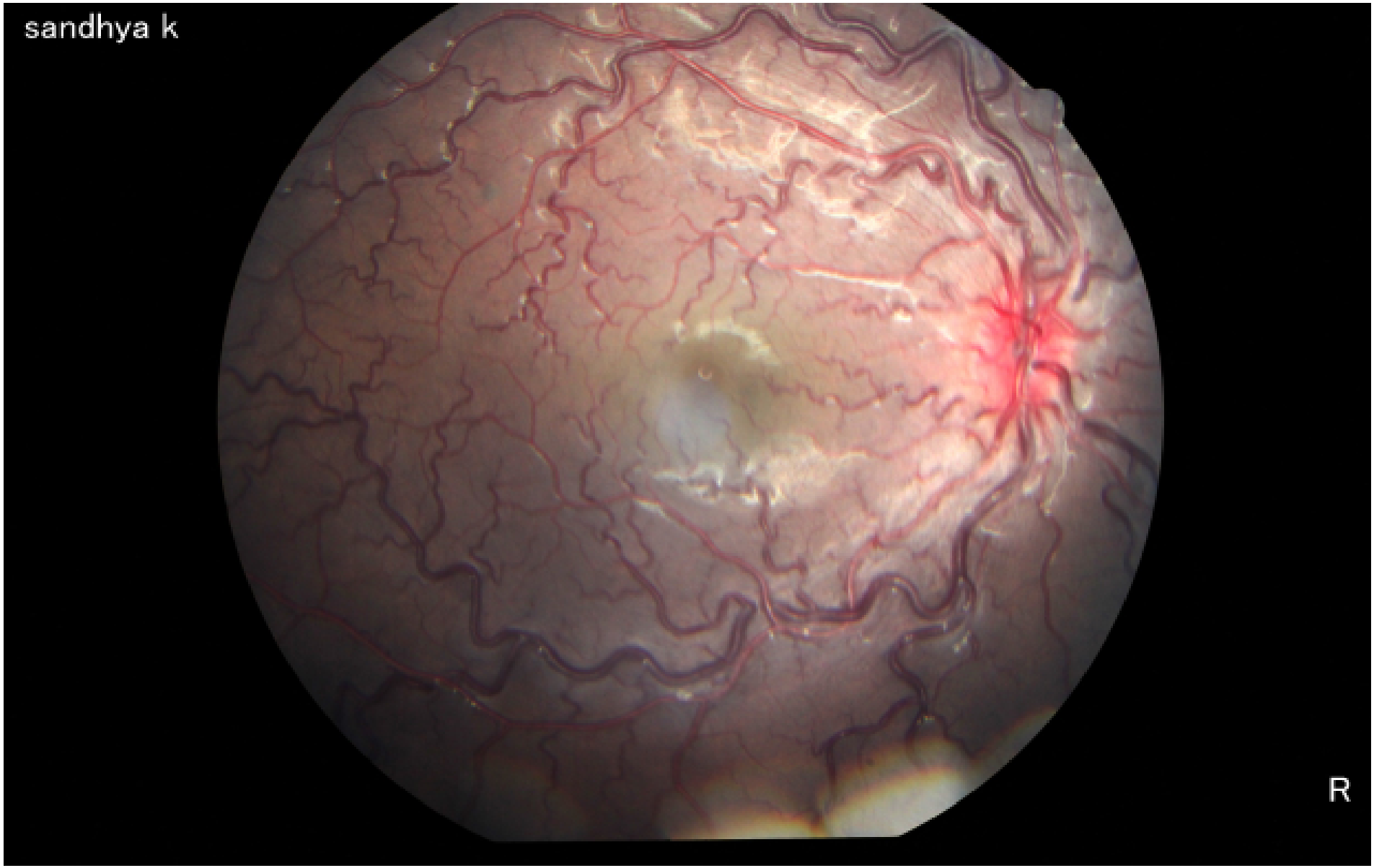
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CASE I

CBC -

Hb- 6.7g/dL

TC - 14200 cells/mm3

DC - P45, L53, M2

PCU- 19%

Plt- 8000 cells/mm3

B.Sugar 129mg%

Urea/Creatinine - 31/ 1.1 mg%

LFT - 1.2/0.5/0.7mg%

SGOT/PT - 49/32

Peripheral Smear - s/o Acute Leukemia Blasts 40%

Bone marrow aspirate smear - AML -M2 Blasts -62%

Ophthalmology

Vision RE 6/6 LE 3/60

Pupil RTL

Lens Clear

EOM Full

FUNDUS - C:D - 0.3:1

BE Diffuse flame shaped retinal hemorrhage with LE Macular Edema

BE Roth spots +

S/o Anaemic Retinopathy

CASE II

CBC

Hb - 26 g /dL

TC - 6800 cells/mm3

DC - P89 L9 M2

Plt - 3.86L

PCU - 76.6%

OPHTHALMOLOGY:

BE conjunctival injection, no chemosis, no subconjunctival hemorrhage

Lids, Lens, AC normal

Disc edema with dilatation and corkscrewing of retinal vessels. Papilledema +

AIM

- To highlight the importance of fundus examination