

## Case Study: CSR

Dr. Ahooja and Dr. Sashi

Dr AHOOJA EYE CLINIC, GURGOAN, HARAYANA, INDIA

### Introduction

The patient is a 43-year old Indian male with sub acute blurring of vision since two to three months.

### Examination

On clinical examination, some fluid was seen in the superior macula and central serous retinopathy was suspected. To confirm the diagnosis, a fundus fluorescein angiography with Smartscope FA was done. The FFA would aid in finding out the point of leakage and planning laser treatment for the eye. It is crucial to know the exact point of leakage through a good quality FA to enable proper laser therapy; otherwise it would not treat the condition. On FFA, an enlarging dot of leakage was seen in the vasculature near the superior macula and a clear image of the area to be lasered was noted.

### Conclusion

The diagnosis is CSR (Central Serous Retinopathy), characterized by sub acute vision loss and increasing oedema of the macular area. It typically affects young males and is of an undetermined cause. On FFA, the leakage is described to be of either a smoke stack appearance or an enlarging dot appearance. In this case, the Smartscope FA image clearly shows that the leakage area is just above the macular region and is of enlarging dot appearance. While majority of CSR subsides spontaneously, chronic cases such as this one require laser therapy.

