





Presented to

M. HIDAYAT

For her/his invaluable contribution as

SPEAKER

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Ari Djatikusumo, MD

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Didactic Courses: Cornea, Lens & Refractive Surgery Workshops: Glaucoma, Orbita, Trauma SK PB IDI No. 01436/PB/A.4/09/2017 Participant 4. Speaker 14. Moderator 6. Committee 3

Workshop Retina SK PB IDI No. 01437/PB/A.4/09/2017 Participant 5. Instructor 6. Committee 4



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CLINICAL PROFILE OF BILATERAL OPTIC NEURITIS IN M. DJAMIL HOSPITAL PADANG

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Inflammation, disintegration and demyelinaton optic nerve	of the
Unilateral or Bilateral	
Temporary or permanent visual loss]
Age of onset : 16-55 yo, male and female : 2:1	
Incidence : 1 and 5 in 100.000	
Clinical Definite Multiple Sclerosis presents in 15-20%	Personal and











.





















Result

 \rightarrow 9 patients had bilateral optic neuritis vision from January 2016 to January 2017





After 2 weeks Treatments

 Better outcome : improvement in visual acuity for both eyes (RE : 8 eyes, LE : 8 eyes)

• 1 patient with 1/60 both eyes :

41 y.o female, came with chief complaint blur vision on left eye since a month ago, right eye was blur since 6 months ago with VOD 1/300 and VOS 1/60 without improvement after treatment. After 2 weeks VODS remain 1/60.





N 0.	Age	Sex	Visual Acuity Before Treatment		Visual Acuity after 3 days treatments		Visual Acuity after 2 weeks treatments		Visual Acuity after 3 months treatments	
			RE	LE	RE	LE	RE	LE	RE	LE
	30	Р	3/60	5/60	6/9	1/60	6/7.5	6/9	6/6F	6/7,5
	21	Р	1/300	4/60	6/21	6/9	6/12	6/6	6/10	6/6
	41	Р	1/300	1/60	1/60	6/6 f	1/60	1/60	1/60	1/60
	30	Р	1/60	3/60	6/9	6/7.5	6/7.5	6/7.5	6/6	6/6
	39	L	2/60	3/60	6/6 f	6/12	6/6 f	6/6 f	6/6	6/6
	23	L	2/60	2/60	6/7.5	6/7.5	6/6	6/6	6/6	6/6
7	45	L	1/300	2/60	6/12	6/6 f	6/7.5	6/6	6/6	6/6
	43	Р	1/300	1/60	6/7.5	1/60	6/6f	6/6f	6/6	6/6
	35	L	1/60	1/300	6/6 f	6/9	6/6	6/6f	6/6	6/6

Discussion

- Our study shows prevalence of bilateral optic neuritis in female is more than male with ratio 2:1. All literatures stated that female outnumbered male, thus, supporting our study.
- Orbital pain was found in all patients. In the literature stated that pain within ad around the affected eye arises before or at the time of the onset of visual loss in about 90% of cases.
- Sudden visual loss in both eyes is the chief complain from all patients in this study, suitable to the main sign of optic neuritis.

- Visual outcome in 8 patients are good, with 20/20 after 2 weeks follow up.
- Visual outcome for bilateral optic neuritis is better after treatment of IV methylprednisolone and oral prednisone, reaching up to 20/20 in 6 months to 1 year of follow up. The benefit of this treatment regiments is greates in the first 15 days.
- The remaining 1 patient in this study has poor visual outcome with 1/60 for both eyes after treatment. This patient came to us after 6 months of visual loss (late condition).

CONCLUSION

Acute bilateral optic neuritis occurs rarely in adults

The bilateral visual loss improves with corticosteroid therapy espescially when patients come early.

Neurological disease or recurrent visual loss may not develop over 3 months of follow up. Follow up should be continue until 6 months to 1 year.

This study shows bilateral optic neuritis without systemic processes or infectious etiology, supported by good laboratory finding and normal CT scan.