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## Usage of the colour doppler ultrasound in ophthalmology

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**A**uthor will talk about the usage of the colour Doppler ultrasound to help make diagnoses of many ocular and orbital diseases. The research that author has carried out on the colour Doppler ultrasound is very helpful to differentiate diagnoses in ocular membrane. It applies specially to diabetic patients, whose hyaloid membrane is much impregnated, making it difficult to differentiate the diagnoses between retinal detachment and partial vitreous detachment. It also makes it possible to show the difference between melanoma and haemorrhagic choroidal detachment. Her research using Doppler ultrasound in orbit has been showing how important it is to diagnose, for example, the orbital lymphangioma since there is a characteristic pattern of this tumour, which typical characteristics were discovered throughout her research by using ultrasound Doppler to assist in its diagnosis. It is also very useful in vascular diseases, such as fistula, varices and arteriovenous malformation. Besides that, she has been able to identify the different characteristics between orbital lymphoma and pseudotumor in Doppler ultrasound. Her research on the colour Doppler ultrasound will help diagnose many kinds of ocular and orbital diseases; moreover, she has managed to characterize the findings in lymphangioma and, through that, help in its rapid, safe and cheap diagnosis.

**Biography**

Maira Morales is an Ophthalmologist. She works as a General Ophthalmologist, does ocular plastic surgery, lachrymal and orbit and perform ultrasound examination and biometry in addition to routine ophthalmologic exams such as refraction, retinal mapping, and ocular pressure, among others.

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