Visual Acuity Testing	
visual resulty results	
Lynn Lawrence, CPOT, ABOC, COA	
्राष्ट्र हिंग	
MORRISO DAY SPECIAL FREE BRAN FOR THE FIRST MACK	
or sold sold sold sold sold sold sold sold	
offilemark.com	
THIS GUY IS A GENIUS! WHAT'S A	
TEACHING YOUR KIDS A LESSON?!	
ASK My Girly A shey still think Sheets And Could be	
RESPECT TO THIS DAD	

Define Visual Acuity



 The measurement of the ability of the eye to see detail

Vision

• The ability to see



The procedure

- Lighting
- Patient position
- Distant/near
- Occluder
- Pin-hole... what makes it better?
- Plus lens



The Hardest Acuity	
, , , , , , , , , , , , , , , , , , , ,	
 What is the most difficult acuity you have ever taken 	
Were you prepared for it?Are children difficult?	
What do you do with the parents?	
What happens when it is taking too long?	
Documentation	
Test distance	
 Test target Pupil reaction	
Constriction/distDilation/near	
• Correction	
Robots	
Don't be a robot	
Know why you are testing a patient	
Know how the test is to be performed	
Know what is WNL	
Know how to document the findings Know when to test	
know when to test When in doubttest it out	
witen in doubttest it out	

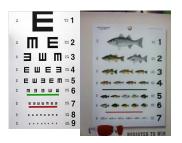
Visual Acuity

- ■Baseline data
- ■Quantification of visual status
- ☐ Sets criteria to help patient achieve better vision



Visual Acuity

- Types
- Near
- Distant
- Charts
- Snellen
- Alignment
- Conversions
- Test Distances



Types of Acuity Charts

- Snellen
- Metric (Bailey-Lovie)
- Low Vision Charts
- Illiterate Charts
 - -Landolt "C" or rings
 - -Tumbling "E"
 - -Lighthouse charts

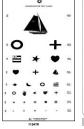
F				
I	3		C	
P	T	E	C	0
В	Z	F	E	D
0	F C	L	T	В
T	E P C	LF	D	Z
	PCT			0
	ZOECF		T	

Procedure

- Always observe patient.
- No squinting. Why?
- When do you obtain pinhole acuity?
- Visual acuity better with one eye or two?
- Note any consistent pattern in the letters missed by the patient. Why?

Preschool Children

Allen Picture Chart





Snellen Fraction

- Numerator
 - -Represents the testing distance in feet or meters
 - 20/___; 6/____
- Denominator
 - -Represents the distance at which the letter subtends a 5-minute angle or arc in distance or meters. Also referred to as the letter size

Techniques for Testing	
Monocular and binocular With and without Rx	
Distance and near Pinhole acuity (20/30) Testing errors	
Testing errors What happens when a patient can't see the largest letter at 20 feet?	
largest letter at 20 leet:	
Types of Acuity Charts	
SnellenMetric (Bailey-Lovie)	
Low Vision Charts	
• Illiterate Charts - Landolt "C" or rings	
– Tumbling "E"– Lighthouse charts	
Procedure	
riocedure	
 Patient unable to see the big "E" Walk up method (15/400, 10/400, 5/400) 	
Count Fingers- CF @ftHand Motion- HM @ft	
Light LocationLight Perception	

Near VA's

- Test distance is 16 inches or 40 cm
- · Proper lighting



Pinhole

- The pinhole test is used to confirm whether or not refractive error is the cause of decreased visual acuity.
- Documentation



Pinhole Acuity

- What happens during the pinhole test?
- · Why is it necessary
- Who should it be performed on



Connect the Dots!

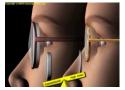
- · Listen to the patient
- · Watch the patient when testing pt
- You need to know what direction to go



Force blinking Leaning Squinting Turning of the head

Refractive History

- Past history of corrective lenses
- Current corrective wear...recent Rx?
 -age of correction
 - -state of correction
 - -quality of vision



Case History

- This is a legal document... write everything
- · Use the components of case Hx
 - Chief complaint
 - Medical and ocular history
 - Patient
 - Family
 - New medications or changes in health
 - Occupation and avocation
 - Hobbies...piano teacher-vs-cross stitching

Pre-Testing

- · Visual Acuity
- Aided and Unaided
- Distance and Near
- Letter size calibration
- 20/200 = 87mm at 20 feet





Case History

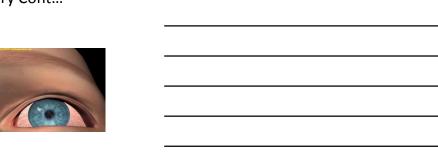
Chief Complaint

- Reason for the patient visit recorded in Patient's own words.
- Ask all the questions necessary to aid your doctor in discovering the root cause of the patients current condition (ie. Who, what, where, how, how long, How old is patient, pain assessment, is there anything that brings relief, last eye exam, last physical exam, illicit and legal drug use, dosage/frequency, alcohol use/amount, and patient/family medical history)

Ocular History Cont...

- ☐ Rule out specific ocular problems or conditions... ie. DES
- ✓ surgery
- √ injury
- ✓ vision training
- ✓ Medications (new)
- ✓ Allergies
- ✓ refractive history

A great question: Are you wearing your most current Rx?



Story of the Truck Driver

- Conditions
- Timelines





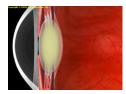
Ocular Symptoms

- ☐ Ask open ended questions and document what the patient says
- ✓ itching
- ✓ burning
- ✓ tearing
- ✓ redness
- ✓ irritation
- ✓ other symptoms



Ocular History Cont...

- Rule out specific ocular problems and conditions, such as:
- -glaucoma
- -cataracts
- -keratoconus
- -surgery
- -previous injuries



SOAPP Format

- Subjective... chief Complaint
- Objective... test results
- Assessment... for the O.D. only
- Plan... for the O.D. only
- Prevention... duty to warn/counseling



Document Pain Assessment

- If the patient is in pain, you must evaluate the level of pain
- Ask if anything relieves the pain
- Ice
- Pain associated with trauma
- Penetrating injuries



Recording Visual Acuity

- Verify with your doctor
- DVA 20/ NVA 20/
 CC SC CC SC



Thank you	
BAT PRITY CAMES	
martralyn@msn.com	
Thank you	