



Naval Medical Center San Diego

Optometry's Role in Comprehensive Combat & Complex Casualty Care (C5) Program:

A Multi-disciplinary Holistic Visual & Ocular Rehabilitative Approach

Supporting Recovering Service Members and their Families



C5 Mission

- The Comprehensive Combat and Complex Casualty Care (C5) program provides acute medical/surgical care and outpatient rehabilitative care and coordinates medical, non-medical, and transitional services as they apply for wounded, ill, and injured service members and their families.



Multidisciplinary Team

- Physiatry (PM&R)
- Primary Care Manager
- Mental Health
- Case Manager
- ENT/ Vestibular Therapy
- Neuropsychology
- Audiology
- Optometry
- Physical Therapy
- Occupational Therapy
- Speech Therapy
- Prosthetics
- Gait Lab
- Wounded Warrior Battalion
- Warrior Transition Company
- VA Liaison



The Continuum of Care for Visual Dysfunction after TBI event(s)



C5 Optometry/mTBI

- C5 Optometry program mission is to deliver the highest quality vision and ocular healthcare through an **evidence-based** "Holistic" approach to rehabilitative care
- C5 Optometry is just one component of the overall **C5 multi-disciplinary rehabilitative team**
- Provides valuable SME vision/ocular health input to the leading physiatrist, PCM, other disciplinary specialties and case managers, etc. for assessment, management of rehabilitative care and disposition recommendations of wounded warriors
- Coordinates care with Ophthalmology** for specialty vision and ocular medical care



C5 Optometry Statistics

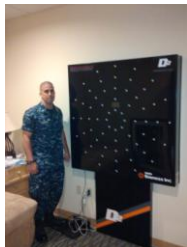
(Raw Preliminary Data as of Apr 2013)

- Total patient seen: 401 since inception in June 2010
- Comprehensive exams following VA guidelines
- CC: Common Symptoms
 - 72% Blurred vision
 - 47% Photophobia
 - 63% Headache
 - 24% Prolonged difficulty reading using validated CITT questionnaire
- Treatment:
 - 124 Vision Rehab
 - 268 Spectacles
 - 18 Specialty Contact Lenses



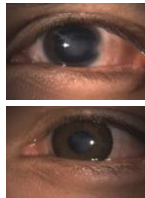
C5 Occupational Therapy collaboration with C5 Optometry

- Dypraxion O2 System
- Target population: mTBI with complaints regarding daily functioning, cognition, or visual skills impacting participation (partnership with Optometry)
- Application:
 - Pre-driving screen
 - Cognitive deficits
 - Dual task performance
 - Identification of and practice in compensatory strategies (visual scanning, attention skills)
 - IE strengthening/coordination



Custom Prosthetic Contact Lenses

- 23 yo Marine
- IED blast shrapnel to the left eye causing corneal scarring and iris damage
- Extreme photosensitivity and cosmesis were addressed per patient request



Custom Corneo-scleral Rigid Gas Permeable Contact Lens

- 38 yo Navy SEAL
- Direct IED blast
- Multiple superficial and internal injuries
- Orbit and eyelid reconstruction
- Corneal transplant
- Vision improved with lens from CF @ 10ft to 20/20

