

**Designation of Ocular Trauma Center Checklist**  
**Please check whether applying institution is in compliance. (E=essential; D=desirable; N/A=not applicable)**

Ref.	Eye Trauma Standards Standard/Regulation	Trauma Level				Hospital Complies		Include as Appendix (A) Or Exhibit (E)	On-site Verified (Y/N)*
		I	II	III	IV	Yes	No		
1	<b>1. Institutional Organization.</b>								
2	A. Ocular Trauma Program	E	E	E	E				
3	B. Have a board of directors' resolution that states its commitment	E	D	-	-				
4	to provide state-of-the-art optimal eye trauma care as part of the								
5	statewide emergency medical system;								
6	C. Have an organized eye trauma service with a medical director who has:	E	E	D	-				
7	(1) Authority to run the eye trauma program; and	E	E	D	-				
8	(2) Responsibility for:								
9	(a) Clinical coordination of the eye trauma service,	E	E	D	-				
10	(b) Quality management, and	E	E	D	-				
11	(c) Participation in the State and regional EMS system quality	E	E	D	-				
12	management, education, and prevention activities; and								
13	D. Have a designated nurse manager who has authority and responsibility	E	D	-	-				
14	for nursing and patient care services.								
15	E. Ocular Trauma Physician Staff	E	E	E	D				
16	<b>2. Hospital Departments (available 24/7)</b>								
17	A. Dedicated facilities for Eye emergencies	E	-	-	-				
18	B. Eye examining room in general emergency department	E	E	D	-				
19	C. Ophthalmic surgery suites	E	E	E	-				
20	D. Pharmacy support available (with ophthalmologic clinical capabilities) to obtain intravitreal steroids and antibiotics within 2 hours anytime of day	E	E	D	-				
21	<b>Ophthalmologic and clinical capabilities:</b>								
22	A. Published on-call schedule	E	E	E	E				
23	B. Board certified/board eligible ophthalmologist or ophthalmology resident on in-house call (with immediate back up coverage available within 60 minutes if providing coverage to other facilities).	E	E	D	-				
24	C. Ocular subspecialties ( fellowship trained and certified if applicable) promptly available within 60 minutes 24/7:								
25	(1) Vitreoretinal surgery	E	E	D	-				
26	(2) Oculoplastics and orbital surgery	E	E	D	-				
27	(3) Corneal/anterior segment surgery	E	E	D	-				

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28	(4) Glaucoma surgery	E	E	D	-				
29	(5) Pediatric ophthalmologic surgery	E	E	D	-				
30	D. Other specialties (board certified/board eligible) available for consult within 60 minutes 24/7:								
31	(1) Emergency medicine	E	D	-	-				
32	(2) Anesthesiology	E	E	D	-				
33	(3) Internal medicine	E	E	D	-				
34	(4) Radiology	E	E	-	-				
35	(5) General Surgery	E	E	-	-				
36	(6) Trauma Surgery	E	E	-	-				
37	(7) Neurology	E	E	-	-				
38	(6) Neurosurgery	E	E	D	-				
39	(7) ENT	E	E	D	-				
40	(8) Plastic surgery	E	E	D	-				
41	(9) Oral/Maxillofacial surgery	E	E	D	-				
42	(10) Pediatric medicine	D	D	-	-				
43	<b>5. Clinical qualifications:</b>								
44	A. Any ophthalmologist with operating privileges must have :	E	E	E	-				
45	(1) Current board certification or eligibility	E	E	E	-				
46	(2) Hours of CME credits per year as required by the state or currently in fellowship.	E	E	E	-				
47	(3) Multi-disciplinary committee attendance as defined by Medical Staff Bylaws of facility.	E	E	E	-				
48	B. The program director must have:	E	E	D	-				
49	(1) Current board certification or eligibility	E	E	D	-				
50	(2) Hours of CME credits per year as required by the state or currently in fellowship	E	E	D	-				
51	(4) Multi-disciplinary committee attendance as assigned and defined by Medical Staff Bylaws	E	E	D	-				
52	C. Ocular Trauma Nurse manager and/or Ocular trauma trained nurses with evidence of :	E	E	D	-				
53	(1) Special education in ocular emergencies and eye trauma care	E	E	D	-				
54	(2) Specific orientation to procedures and protocols for ocular	E	E	D	-				

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55	emergencies.								
56	(3) Nurses required to have 6 hours CE in ocular trauma or related ophthalmology every 2 years.	E	E	D	-				
57	(4) BLS and ACLS training required	E	D	D	-				
58	<b>7. Facility / Resources / Capabilities</b>								
59	A. Ocular treatment room:								
60	(1) An ocular treatment room(s) that is identified for and dedicated to	E	E	D	-				
61	the examination of ocular emergencies								
62	(a) Ocular treatment rooms sufficient in number to handle patient volumes efficiently and prevent care delays	E	E	D	-				
63	(2) A medical director for eye trauma to oversee the management of	E	D	-	-				
64	the ocular treatment room								
65	(3) A nurse manager responsible for the operation of the ocular treatment room(s).	E	D	-	-				
66	(4) Organized equipment and supplies to care for eye trauma including:								
67	(a) A slit lamp	E	E	D	D				
68	(b) An indirect ophthalmoscope	E	E	D	D				
69	(c) a Snellen chart and near chart	E	E	D	D				
70	(d) A hertel exophthalmometer	E	D	-	-				
71	(e) Color plates, either ishihara or Hardy Rand Ridler	E	D	-	-				
72	(f) Applanation tonometry and tonopen	E	E	D	-				
73	(g) Appropriate diagnostic ophthalmic lenses such as:								
74	(i) 20, 28 or 30 diopter	E	E	-	-				
75	(ii) 90 diopter	E	D	-	-				
76	(iii) 3 mirror Goldmann, and	E	D	-	-				
77	(iv) Zeiss 4 mirror lens or equivalent	E	D	-	-				
78	(5) The following readily available ophthalmic medications:								
79	(a) Topical Diamox, oral and intravenous	E	E	E	E				
80	(b) Topical beta-blockers	E	E	E	E				
81	(c) Pilocarpine 1%, 4%	E	E	E	E				

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75	(d) Iopidine 0.5%, 1%	E	E	E	E				
76	(e) Osmoglyn or equivalent (generic) glycerine	E	E	E	E				
77	(f) Topical steroids	E	E	E	E				
78	(g) Dilating drops, such as:								
79	(i) Phenylephrine	E	E	E	E				
80	(ii) Atropine	E	E	E	E				
79	(iii) Cyclogel	E	E	E	E				
80	(iv) Midryacil, and	E	E	E	E				
81	(v) Homatropine	E	E	E	D				
82	(h) Topical anesthetics, such as tetracaine	E	E	E	E				
87	(i) Fluorescein strips	E	E	E	E				
88	(j) Rose bengal	E	D	-	-				
89	(k) Oral Amicar, and	E	D	D	-				
	(l) Intravenous Mannitol	E	D	D	-				
	(m) Topical cocaine	E	E	D	-				
	(5) A direct link to pre-hospital providers, transport vehicles, and referring hospitals	D	-	-	-				
94	(6) Sterile surgical sets/instrumentation/supplies specifically for eye trauma that are located in the ocular treatment room including:								
95	(a) Ocular lavage setup	E	E	D	-				
96	(b) Vitreous/aqueous tap and injection equipment	E	E	D	-				
97	(c) Lateral canthotomy set	E	E	D	-				
98	(e) Suture tray/set for skin or ocular repair	E	E	D	-				
99	(g) Corneal culture instrumentation/equipment/supplies including culture medium	E	E	D	-				
100	(h) External foreign body removal instrumentation/equipment/magnets	E	E	D	-				
101	(7) The following equipment is readily available 24/7:								
102	(a) Laser iridotomy (Yag or Argon laser)	E	E	D	-				
103	(b) Operating microscope	E	D	-	-				
104	(b) Argon/diode laser and cryotherapy available for retinopathy	E	D	-	-				

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105	(d) Either of the following equipment for retinopexy:								
106	(i) SF <sub>6</sub> or	E	D	-	-				
107	(ii) C <sub>3</sub> F <sub>8</sub> gas	E	D	-	-				
108	B. Operating Room:								
109	(1) With adequately trained staff in ophthalmic surgery available	E	E	D	-				
110	for ocular emergencies 24 hours a day								
111	(2) Available for ocular surgery within 60 minutes of notice; and	E	E	D	-				
112	(3) With equipment readily available for:								
113	(a) Vitreoretinal surgery	E	E	D	-				
114	(b) Oculoplastic surgery and orbital surgery including enucleation	E	E	D	-				
115	(c) Cornea and other anterior segment surgery	E	E	D	-				
116	(d) Glaucoma surgery	E	E	D	-				
117	(e) Pediatric patients	E	E	D	-				
118	(f) Orbital surgery	E	E	D	-				
119	(g) Glaucoma								
120	C. The hospital shall have an inpatient unit available with inpatient beds	E	E	D	-				
121	with nursing staff who have knowledge and skills specific for the								
122	medical and surgical care of ophthalmologic patients								
123	D. A hospital shall have ocular echography and CT scan available	E	E	D	-				
124	24 hours a day								
125	E. Ocular Trauma admissions per year greater than -----	E	-	-	-				
126	F. Greater than ----- patients per year with Ocular Trauma Score under -----	E	-	-	-				
127	G. Equipment for resuscitation of patient including:								
128	(1) Airway control and ventilation equipment	E	E	E	D				
129	(2) Pulse oximetry	E	E	E	D				
130	(3) Suction	E	E	E	D				
131	(4) AED	E	E	D	D				
132	(5) EKG/defibrillator	E	D	D	-				
133	(6) Standard IV fluids and administration sets	E	E	D	-				
134	(7) Large bore IV catheters	E	E	D	-				
135	<b>8. Performance Improvement</b>								
136	A. Performance improvement program	E	E	E	E				
137	B. Active participation in United States Eye Injury Registry (USEIR) including data collection according to USEIR standards	E	D	D	-				

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138	C. Morbidity/Mortality review	E	E	D	-				
139	D. Ocular trauma conference on at least a quarterly basis –that is multidisciplinary in approach and includes all sub-specialties	E	D	-	-				
140	E. Nursing Audit/quality indicator measures/analysis/continuous PI projects								
141	(1) Provide documentation of quality management for its review:								
142	(a) Problem identification	E	D	-	-				
143	(b) Problem analysis	E	D	-	-				
144	(c) An action plan	E	D	-	-				
145	(d) Implementation of the plan, and	E	D	-	-				
146	(e) Reevaluation of the plan	E	D	-	-				
147	F. Clinical documentation regarding injuries utilizes Birmingham Eye Trauma Terminology appropriately.	E	E	D	D				
148	<b>9. Prevention / Outreach / Education</b>								
149	A. Participate in prevention activities including:								
150	(1) Injury control studies	E	D	-	-				
151	(2) Collaborate with other institutions regarding eye injury prevention	E	D	-	-				
152	(3) Monitor effectiveness of prevention programs	E	D	-	-				
152	B. Outreach activities to public including:								
154	(1) Education programs/brochures/public service announcements	E	D	-	-				
155	(2) Screenings	E	D	-	-				
156	E. Education and training provided concerning eye injuries for:								
157	(1) Physicians (staff and community)	E	D	-	-				
158	(2) Nurses	E	D	-	-				
159	(3) Pre-hospital providers, and	E	D	-	-				
160	(4) Other appropriate allied health personnel	E	D	-	-				
161	<b>10. Research</b>								
162	A. USEIR/ASOT collaboration	E	D	-	-				
163	B. IRB process/HIPPA compliance	E	D	-	-				
164	C. Extra-institutional educational presentations	E	D	-	-				
165	D. Scientific publications in peer review journals	E	D	-	-				
166	E. Appropriate utilization of Birmingham Eye Trauma Terminology in documentation/communication	E	E	D	D				
