Eye and Face Protection References.
General Principles, Laparoscopy & da Vinci Surgery

1. BJA: CEACCP Volume 6, issue 2 Pp. 67-70. Shruti Contractor, MA MRCS Jonathan G Hardman, BMed Sci BM BS DM FANZCA FRCA Injury during Anesthesia. Key points.....Ocular Injury occurs during 0.1% (1:1000) of general surgery anesthetics. Blindness occurs following 1 in 125,000 (0.0008%) of general anesthetics.

Prevention............the anesthesiologist must avoid compression of the globe....If surgery is near the face, the surgeon’s arm must not be allowed to rest on the patient’s eyes.

......etiologies of perioperative CA (Corneal Abrasion ) include exposure, reduced corneal hydration and chemical or direct mechanical trauma.


A patient’s face....injury during robotic surgery....the robotic camera system.....contact with a patient’s face causing facial and ocular trauma.

6. Medscape Medical News: Complications of Robotic Surgery Underreported, Study Says. Robert Lowes September 05, 2013. Dr. Makary...Johns Hopkins University. The number of reported cases (of complications) “seems very low, given the discussion of these events in the surgical community.

Postinduction:
Fig 2 ...avoid injury to the face. padding to protect the face from the robotic arms' movements and instruments.
The face is invisible and difficult to recognize once the sterile drapes have covered the entire patient
......protect the face against excursions of the robotic arm.

........secure a face shield plate....to protect the patient’s face.

........Robotic arm placement is a patient safety concern.
........ensure that no point on the robotic arm is resting on or causing pressure on any part of the patient
.....provide protection (face and eyes) from the robotic camera arm.

......Preparation of the Patient:.....a face protection shield.

......padding....on and around the face....prevent accidental pressure on the neck and face.