**Introduction to Database**

This database holds extensive clinical data from patients who’ve received corneal transplant surgeries from hospitals in the developing areas of Bhubaneswar and Vizag in India. While corneal transplant surgery remains an effective choice for patients with advanced corneal disease, the long-term prognosis of these allografts is especially diminished for developing countries. Since the patient records are collected from tertiary hospitals, this data will provide a good indication of the level of patient burden within developing areas such as these secondary cities in India.

The goal of this database is to identify trends that point to barriers of access or poor clinical results, in hopes of bettering post-transplant regiments to optimize patient outcomes for corneal transplants. This database will be utilized to enrich post-transplant research, create better post-transplant protocols for all clinical settings, and to build a clinical algorithm that predicts 1-year post-transplant outcomes.

**Data Sources**

This data set contains corneal transplant clinical records from 1513 patients at the LV Prasad Eye Institute of Bhubaneswar and Vizag in India. The LVPEI Institute in Bhubaneswar and Vizag are both tertiary level hospitals for eye and cornea health in their respective cities. These patient records hold a collective of 7-10 years of data, mostly from local patients within a 200-kilometer radius from the hospital.

**Variable Descriptions**

Variable summaries will be written in the following format below:

VARIABLE\_NAME

* Definition: Description of variable
* Tabulation: How the value is represented in database
* Unique Values: Number of unique data points for this variable
* Missing Value: How missing values are represented for this variable

**Variable Summaries**

**GEN\_PNP**

* Definition:
* Tabulation:
  + (format)
  + B, N, P, b,n,p

|  |  |
| --- | --- |
| B | 1 |
| b | 2 |
| N | 3 |
| n | 4 |
| P | 5 |
| p | 6 |

* Unique values: 6
* Missing value: 0

**GEN\_HOSP\_REF\_NUMBER**

* Patient ID
* Tabulation:
  + BBI - (######)
* Unique values: 1135
* Missing value: 0

**GEN\_VISIT\_DATE**

* Date of hospital visit
* Tabulation:
  + mm/dd/yyyy
* Unique values = 1105
* Missing: 0

**GEN\_AGE**

* Age of patient
* Unique values = 89
* Mean = 44.35
* StndDev
* Valid Range
* Missing: 0

**GEN\_SEX**

* Sex of patient
* Tabulation:

|  |  |
| --- | --- |
| Male | 1 |
| Female | 2 |

* Unique values = 2
* Missing: 0

**GEN\_DISTANCE\_HOME\_TO\_HOSP**

* Distance patient traveled to arrive to hospital
* Tabulation:
  + <=200: 1
* Unique values = 1
* Missing: 0

**GEN\_CITY**

* Home city of patient
* Tabulation:

|  |  |
| --- | --- |
| Angul | 1 |
| Balangir | 2 |
| Balasore | 3 |
| Baleswar | 4 |
| Balichandra Pur | 5 |
| Barahampur | 6 |
| Bargarh | 7 |
| Baripada | 8 |
| Bengal | 9 |
| Bhadrak | 10 |
| Bhubaneswar | 11 |
| Boudh | 12 |
| Brajarajnagar | 13 |
| Bub | 14 |
| Chandanpur | 15 |
| Chandili | 16 |
| Cuttack | 17 |
| Deogarh | 18 |
| Dhenkanal | 19 |
| East Medinipur | 20 |
| Ganjam | 21 |
| Gopinathpur | 22 |
| Jagatpur | 23 |
| Jagatsinghpur | 24 |
| Jajpur | 25 |
| Jaleswar | 26 |
| Jharsuguda | 27 |
| Kalahandi | 28 |
| Kandhamal | 29 |
| Kantapada | 30 |
| Kendrapada | 31 |
| Keonjhar | 32 |
| Kesura | 33 |
| Khalicot | 34 |
| Kharagpur | 35 |
| Khurda | 36 |
| Koraput | 37 |
| Kutasingha | 38 |
| Mahasamund | 39 |
| Malkangiri | 40 |
| Mayurbhanj | 41 |
| Nandapatna | 42 |
| Nayagarh | 43 |
| North Lakhimpur | 44 |
| Nuapada | 45 |
| Paradip | 46 |
| Patiala | 47 |
| Pattapur | 48 |
| Puri | 49 |
| Raigada | 50 |
| Rajgarh | 51 |
| Ranchi | 52 |
| Rayagada | 53 |
| Rourkela | 54 |
| Sabalpur | 55 |
| Sahibganj | 56 |
| Sambalpur | 57 |
| Singhbhum | 58 |
| Sonapur | 59 |
| Srikakulam | 60 |
| Subarnapur | 61 |
| Sundergarh | 62 |
| Talcher | 63 |
| Walchandnagar | 64 |

* Unique values = 64
* Missing: 0

**GEN\_STATE**

* Home state of patient
* Tabulation:

|  |  |
| --- | --- |
| Andhara Pradesh | 1 |
| Assam | 2 |
| Chhattisgarh | 3 |
| Jharkhand | 4 |
| Madhya Pradesh | 5 |
| Maharashtra | 6 |
| Odisha | 7 |
| Punjab | 8 |
| Uttar Pradesh | 9 |
| West Bengal | 10 |

* Unique values = 10
* Missing: 0

**GEN\_COUNTRY**

* Home country of patient
* Tabulation:
  + INDIA = 1
  + BANGLADESH = 2
* Unique values = 2
* Missing: 0

**GEN\_INDICATION\_OF\_PK**

* Definition: Reason for transplant
* Tabulation:

|  |  |
| --- | --- |
| Corneal scar | 1 |
| Others specify the diagnosis | 2 |
| Failed graft | 3 |
| Active microbial keratitis | 4 |
| Ectatic disorder | 5 |
| Corneal edema | 6 |
| Dystrophy | 7 |

* Unique values = 7
* Missing: 0

**GEN\_INDICATION\_OF\_PK\_OTHERS**

* Definition: Specify Diagnosis
* Tabulation:

|  |  |
| --- | --- |
| Keratoconus | 1 |
| Aphakic | 2 |
| Macular | 3 |
| Fuchs endothelial dystrophy | 4 |
| phakic (non endothelial dystrophy) | 5 |
| Pseudophakic | 6 |
| CHED | 7 |

* Unique values = 7
* Missing: 0

**GEN\_INDICATION\_OF\_PK\_OTHERS\_TXTBOX**

* Definition: Additional comments for PK diagnosis
* Unique values = TBD
* Missing: 0

**GEN\_VISUAL\_ACUITY\_MEASURE**

* Definition: visual acuity/sight tested at a few feet against a few meters
* Tabulation:
  + Feet
    - vision accurate for a few feet
  + Meter
    - vision accurate for a few meters

|  |  |
| --- | --- |
| Meter | 1 |
| Feet | 2 |

* Unique values = 2
* Missing: 0

**GEN\_BEST\_CORRECTED\_VA\_LEFT**

* Definition: Best visual acuity measured with correction of eye undergoing surgery
* Tabulation:
  + CF(@distance): Can accurately count fingers at given distance
  + PL+PR+Acc: Recognize light in all four quadrants and directions
  + PL+PR+Inacc: Recognizes light
  + HM: Recognizes hand motions
  + n/N: n/N vision for eye

|  |  |
| --- | --- |
| CF | 1 |
| PL+PR+Acc | 2 |
| PL+PR+Inacc | 3 |
| 20/125 | 4 |
| 20/400 | 5 |
| 20/60 | 6 |
| 20/80 | 7 |
| HM | 8 |
| HM+PL+PRinacc | 9 |
| 20/100 | 10 |
| 20/200 | 11 |
| HM+PL+PRAcc | 12 |
| PL | 13 |
| <20/125 | 14 |
| LP | 15 |
| 20/50 | 16 |
| 43440 | 17 |
| INACCURATE | 18 |
| 20/160 | 19 |
| 27912 | 20 |
| 22068 | 21 |
| 20/40 | 22 |
| 20/25 | 23 |

* Unique values = 23
* Missing: 0

**GEN\_PRE\_VA\_NEW\_VA\_WITH\_PH**

* Definition : Visual acuity tested with pinhole for astigmatism (eye undergoing surgery)
* Tabulation:
  + NR: not reported
  + No: not measured
  + NA: not applicable
  + CF(@distance): Can accurately count fingers at given distance
  + PL+PR+Acc: Recognize light in all four quadrants and directions
  + PL+PR+Inacc: Recognizes light
  + HM: Recognizes hand motions
  + n/NP: n/N vision with pinhole

|  |  |
| --- | --- |
| no | 1 |
| NR | 2 |
| 20/80P | 3 |
| 20/50P | 4 |
| CFCF | 5 |
| PL+PR+Inacc | 6 |
| CF1 | 7 |
| NA | 8 |
| 20/100 | 9 |

* Unique values = 9
* Missing: 0

**GEN\_PRE\_VA\_NEW\_BCLC\_VA**

* Definition: Visual acuity tested with a contrast sensitivity lenses (eye undergoing surgery)
* Tabulation:
  + NR: not reported
  + No: not measured
  + CF(@distance): Can accurately count fingers at given distance
  + PL+PR+Acc: Recognize light in all four quadrants and directions
  + PL+PR+Inacc: Recognizes light
  + HM: Recognizes hand motions
  + n/N: n/N vision for eye

|  |  |
| --- | --- |
| no | 1 |
| NR | 2 |
| CFCF | 3 |
| CF@50 cm | 4 |
| none | 5 |
| 20/400 | 6 |
| CF@1mt | 7 |
| CF@40 cm | 8 |
| CF@1 1/2mt | 9 |
| 20/200 | 10 |
| CF@40-30cm | 11 |
| NA | 12 |
| CF@2mt | 13 |
| 20/100 | 14 |
| CF@1/2mt | 15 |
| CF@15mt | 16 |
| 20/70 | 17 |

* Unique values = 17
* Missing: 0

**GEN\_PRE\_VA\_NEW\_BSC\_VA**

* Definition: Visual acuity measured without corrected vision (eye undergoing surgery)
* Tabulation:
  + NR: not reported
  + No: not measured
  + CF(@distance): Can accurately count fingers at given distance
  + PL+PR+Acc: Recognize light in all four quadrants and directions
  + PL+PR+Inacc: Recognizes light
  + HM: Recognizes hand motions
  + n/N: n/N vision for eye

|  |  |
| --- | --- |
| CFCF | 1 |
| PL+PR+Inacc | 2 |
| PL+PR ACC | 3 |
| PL+PR+Acc | 4 |
| CF@ 2mts | 5 |
| 20/125 | 6 |
| 20/400 | 7 |
| NR | 8 |
| PL+PR INACC | 9 |
| CF@ 1mts | 10 |
| 20/60 | 11 |
| 20/80 | 12 |
| CF 1mt | 13 |
| CF@ 25mts | 14 |
| CF@50cm | 15 |
| HM | 16 |
| CF1 | 17 |
| HM+PL+PR IN ACC | 18 |
| CF2 | 19 |
| 20/80P | 20 |
| 20/100 | 21 |
| HM+ | 22 |
| PL+ PR Accurate | 23 |
| FFL | 24 |
| PL | 25 |
| 20/200 | 26 |
| 21916 | 27 |
| HM+PL+PR ACC | 28 |
| PL+ PR Inaccurate | 29 |
| CF 2mt | 30 |
| NPL | 31 |
| CF | 32 |
| CF2m | 33 |
| Inferiorly deep/Q | 34 |
| CF@ 75mm | 35 |
| Deferred | 36 |
| 45444 | 37 |
| LP | 38 |
| CF1/2 | 39 |
| 20/60p | 40 |
| CF25 | 41 |
| 20/940 | 42 |
| 20/320 | 43 |
| 20/800 | 44 |
| 20/50 | 45 |
| CF@50 cm | 46 |
| 20/1200 | 47 |
| 20/100P | 48 |
| NC | 49 |
| Defer | 50 |
| CF@ 3mts | 51 |
| CF@ 2 1/2 mts | 52 |
| CF@ 2 1/2mt | 53 |
| CF@1Mt | 54 |
| CF@3Mt | 55 |
| CF@2 1/2Mt | 56 |
| CF@ 1/2Mt | 57 |
| 43440 | 58 |
| CF@10cm | 59 |
| CF1m | 60 |
| HM+PL+PR+Acc | 61 |
| CF@ 2M | 62 |
| 20/160 | 63 |
| CF@2 1/2 | 64 |
| CF@1 1/2Mt | 65 |
| NA | 66 |
| CF@ 3mt | 67 |
| CF@ 40 CM | 68 |
| 6/76 | 69 |
| CF@1/2mtn | 70 |
| HM+PL+ACC | 71 |
| No glow | 72 |
| 22068 | 73 |
| HM+PL+PRAcc | 74 |
| PL PR ACCURATE | 75 |
| HM+PL+PR ACC | 76 |
| PL+ | 77 |
| PL, PR accurate | 78 |
| HM+PL+PRInacc | 79 |
| Defered | 80 |
| PL,PRINACC | 81 |
| CF-50CM | 82 |
| HM+PL+PR+Inacc | 83 |
| CF@ 1mt | 84 |
| HM+PL+PR IACC | 85 |
| CF@10 mt | 86 |
| |HM+PL+PRACC | 87 |
| CF@ 1/2mt | 88 |
| |HM+PL+PR INACC | 89 |
| CF@ 1 1/2mt | 90 |
| CF@2 1/2mt | 91 |
| CF@3 1/2Mt | 92 |
| CF@20 mt | 93 |
| CF@ 1/2mts | 94 |
| NOPL | 95 |
| 20/120 | 96 |
| CF@ 75mts | 97 |
| 20/35P | 98 |
| 20/70 | 99 |
| CF@30cm | 100 |
| CF@ 1/2mt | 101 |
| CF3m | 102 |
| 20/25P | 103 |
| CF1mts | 104 |
| 20/40 | 105 |
| CF@ 20mts | 106 |
| CF@ 30cm | 107 |
| PL+ACC | 108 |
| |HM+PL+PRINACC | 109 |
| CF@3 Mt | 110 |
| CF@ 1 1/2mt | 111 |

* Unique values = 111
* Missing: 0

**GEN\_PRE\_VA\_NEW\_OTH\_EYE\_VA**

* Definition: visual acuity of eye not undergoing surgery
* Tabulation:
  + NR: not reported
  + No: not measured
  + CF(@distance): Can accurately count fingers at given distance
  + PL+PR+Acc: Recognize light in all four quadrants and directions
  + PL+PR+Inacc: Recognizes light
  + HM: Recognizes hand motions
  + n/N: n/N vision for eye

|  |  |
| --- | --- |
| CF 1mt | 1 |
| NR | 2 |
| PL+PR ACC | 3 |
| 20/20 | 4 |
| 20/200 | 5 |
| NOPL | 6 |
| CF@ 2 mts | 7 |
| 20/100 | 8 |
| Defer | 9 |
| 20/40 | 10 |
| Responding light | 11 |
| 20/30 | 12 |
| 20/80 | 13 |
| 20/400 | 14 |
| 20/50 | 15 |
| CF@ 1 mts | 16 |
| CFCF | 17 |
| CF@50cm | 18 |
| PL+PR IN ACC | 19 |
| 20/60 | 20 |
| PL+PR+Acc | 21 |
| 20/25p | 22 |
| 20/80P | 23 |
| CF1 | 24 |
| PL+PR+Inacc | 25 |
| FFL | 26 |
| HM+ | 27 |
| 44359 | 28 |
| NPL | 29 |
| 20/125 | 30 |
| 44353 | 31 |
| 20/25 | 32 |
| 43349 | 33 |
| HM+PL+PR ACC | 34 |
| PL | 35 |
| CF@ 1 mt | 36 |
| CF@ 1mt | 37 |
| CF1m | 38 |
| 20/30P | 39 |
| CF2m | 40 |
| CF@75cm | 41 |
| PR Inaccurate | 42 |
| 20/60p | 43 |
| CF 2mt | 44 |
| HM | 45 |
| 20/20P | 46 |
| Deferred | 47 |
| 22068 | 48 |
| 44371 | 49 |
| CF2 | 50 |
| 20/940 | 51 |
| 20/100P | 52 |
| CF@ 12mt | 53 |
| 20/320 | 54 |
| PL+ PR Accurate | 55 |
| CF@ 2mt | 56 |
| 20/50P | 57 |
| CF | 58 |
| NC | 59 |
| 44365 | 60 |
| 20/200P | 61 |
| CF@ 1/2mt | 62 |
| 20/160 | 63 |
| 43252 | 64 |
| CF@ 1 1/2mt | 65 |
| CF@3 Mt | 66 |
| CF@10cm | 67 |
| CF50cm | 68 |
| HM+PL+PRAcc | 69 |
| 20/35 | 70 |
| 20/70 | 71 |
| CF@2 1/2 | 72 |
| HM+PL+PAAcc | 73 |
| PL Denies | 74 |
| CF@ 1PL+PR INACCmt | 75 |
| 20/35 | 76 |
| 6/15 | 77 |
| 20/35P | 78 |
| PLDerion | 79 |
| no glow | 80 |
| NA | 81 |
| HM+PL+PRAcc | 82 |
| phthisis bulbi | 83 |
| 44356 | 84 |
| PL+ | 85 |
| 20/125p | 86 |
| 6/6P | 87 |
| 43440 | 88 |
| CF3m | 89 |
| CF@3 1/2Mt | 90 |
| 20/126P | 91 |
| 20/120 | 92 |
| CF@ 3mt | 93 |
| CF@20cm | 94 |

* Unique values = 94
* Missing: 0

**SRG\_DATE\_OF\_OPERATION**

* Definition: Date of surgery
* Tabulation:
  + mm/dd/yyyy
* Unique values = 933
* Missing: 0

**SRG\_TYPE\_OF\_GRAFT**

* Definition: Type of eye graft performed with surgery
* Tabulation:
  + PK: Penetrating Keratoplasty surgery
  + Other (specify): None PK surgery specified in other column

|  |  |
| --- | --- |
| PK | 1 |
| Other, specify: | 2 |
| DALK | 3 |
| ALK | 4 |

* Unique values = 4
* Missing: 0

**SRG\_ENDO\_GRAFT**

* Definition: Specific PK surgery performed
* Tabulation:
  + TPK: Total Penetrating Keratoplasty surgery
  + DSEK: Descemet's Stripping Endothelial Keratoplasty surgery

|  |  |
| --- | --- |
| TPK | 1 |
| DSEK | 2 |
| DASK | 3 |
| PKT | 4 |
| OPK | 5 |

* Unique values = 5
* Missing: 0

**SRG\_SURG\_COMP**

* Definition: Surgery complications present
* Tabulation:
  + No = 1
* Unique values = 1
* Missing: 0

**SRG\_SURG\_COMP\_OTH**

* Definition: Surgery complication type
* Tabulation:
  + NA
* Unique values = 0
* Missing: 0

**SRG\_SURG\_COMP\_OTH\_DESCP**

* Definition: Detailed description of complications
* Tabulation:
  + NA
* Unique values = 0
* Missing: 0

**M1\_DATE\_OF\_EXAMINATION**

* Definition: Date of examination one month after surgery
* Tabulation:
  + mm/dd/yyyy
* Unique values = 436
* Missing: 0

**M1\_EXAMINED\_AT\_1MONTH**

* Definition: Was patient present for one month examination
* Tabulation:
  + Yes = 1
  + No = 2
* Unique values = 2
* Missing: 0

**M1\_NO\_OF\_WEEKS**

* Definition: Number of weeks between surgery and one month check-up
* Tabulation:
  + Number
* Unique values = 0
* Missing: 0

**M1\_PT\_LOST\_TO\_FOLOWUP**

* Definition: Patient did not come back for one month follow-up
* Tabulation:
  + No = 1
* Unique values = 1
* Missing: 0

**M1\_VISIT\_DATE**

* Definition: Date of one month check-up visit
* Tabulation:
  + MM/DD/YYYY
* Unique values = 465
* Missing: 0

**M1\_BEST\_CORRECTED\_VA\_MEASURE**

* Definition: Distance at which visual acuity was measured during one month follow-up
* Tabulation:
  + Feet = 1
  + Meter = 2
* Unique values = 2
* Missing: 0

**M1\_BEST\_CURRECTED\_VA**

* Definition: One month best visual acuity measured with correction of eye undergoing surgery
* Tabulation:
  + CF(@distance): Can accurately count fingers at given distance
  + PL+PR+Acc: Recognize light in all four quadrants and directions
  + PL+PR+Inacc: Recognizes light
  + HM: Recognizes hand motions
  + n/N: n/N vision for eye

|  |  |
| --- | --- |
| 20/400 | 1 |
| 20/40 | 2 |
| CF | 3 |
| 20/200 | 4 |
| HM+PL+PRinacc | 5 |
| 20/100 | 6 |
| 20/50 | 7 |
| PL+PR+Inacc | 8 |
| HM | 9 |
| 20/125 | 10 |
| PL+PR+Acc | 11 |
| 20/80 | 12 |
| 20/20 | 13 |
| 20/60 | 14 |
| PL | 15 |
| HM+PL+PRAcc | 16 |
| 45444 | 17 |
| 20/30 | 18 |
| 14032 | 19 |
| 11110 | 20 |
| 6/7.6 | 21 |
| 43440 | 22 |
| 20/160 | 23 |

* Unique values = 23
* Missing: 0

**M1\_STATUS\_OF\_GRAFT\_CORNEA**

* Definition: One month best measured vision of eye with new graft
* Tabulation:
  + Number (vision measure)
* Unique values = 4
* Missing: 0

**M1\_GRFT\_STATUS\_DESC**

* Definition: One month visual description of graft
* Tabulation:
  + Written description of graft

|  |  |
| --- | --- |
| Opacity, visual axis not clear | 1 |
| Opacity, but visual axis clear | 2 |
| Failed | 3 |
| Completely clear graft | 4 |

* Unique values = 4
* Missing: 0

**M1\_GRAFT\_NOT\_CLEAR**

* Definition: If graft restored vision after one month
* Tabulation:
  + Number
* Unique values = 5
* Missing: 0

**M1\_GRFT\_CLEAR\_DESC**

* Definition: Why graft did not restore vision after one month
* Tabulation:
  + Other (e.g. OSD), Unknown, Acquired Infection, Endothelial Decompensation

|  |  |
| --- | --- |
| Other (e.g. OSD) | 1 |
| Unknown | 2 |
| Acquired infection | 3 |
| Endothelial decompensation | 4 |
| Primary graft failure (i.e. never cleared) | 5 |

* Unique values = 5
* Missing: 0

**M1\_GRAFT\_NOT\_CLEAR\_TXT**

* Definition: Additional description for why graft did not restore vision after one month
* Tabulation:
  + Text comments

|  |  |
| --- | --- |
| Epi defect,SPK,Str.edema | 1 |
| Graft Edima | 2 |
| Epi. edema | 3 |
| K.P.s | 4 |
| SPK | 5 |

* Unique values = 5
* Missing: 0

**M1\_SURGERY\_COMPLICATIONS\_YORN**

* Definition
* Tabulation:
  + Yes = 1
  + No = 2
* Unique values = 2
* Missing: 0

**M1\_SURGERY\_COMPLICATIONS\_MGMT**

* Definition: Management prescribed for surgery complications for one month follow-up
* Tabulation:
  + Surgical = 1
  + Medical = 2
* Unique values = 2
* Missing: 0

**M1\_SURGERY\_COMPLICATIONS\_TXT**

* Definition: Description of surgery complications found during one month follow-up
* Tabulation:
  + Text
* Unique values = TBD
* Missing: 0

**M1\_IS\_Va\_YORN**

* Definition
* Tabulation:
  + Text
* Unique values = 0
* Missing: 0

**M1\_VA\_REASON**

* Definition: Month one reason for poor visual acuity
* Tabulation:
  + Number
* Unique values = 2
* Missing: 0

**M1\_IF\_VA\_OTHER\_TXT**

* Definition: Comments for poor visual acuity
* Tabulation:
  + Text

|  |  |
| --- | --- |
| Failed graft | 1 |
| Clear graft | 2 |
| Graft Melt | 3 |
| Graft Clear | 4 |
| Graft Infiltrate | 5 |
| Graft failing | 6 |
| unknown | 7 |
| MILD OEDEMA | 8 |
| OEDEMA | 9 |

* Unique values = 9
* Missing: 0

**M3\_DATE\_OF\_EXAMINATION**

* Definition: Date of examination three months after surgery
* Tabulation:
  + mm/dd/yyyy
* Unique values = 241
* Missing: 0

**M3\_EXAMINED\_AT\_3MONTH**

* Definition: Was patient present for three month examination
* Tabulation:
  + Yes = 1
  + No = 2
* Unique values = 1
* Missing: 0

**M3\_NO\_OF\_WEEKS**

* Definition: Number of weeks between surgery and three month check-up
* Tabulation:
  + Number
* Unique values = 0
* Missing: 0

**M3\_PT\_LOST\_TO\_FOLOWUP**

* Definition: Patient did not come back for three month follow-up
* Tabulation:
  + Yes = 1
  + No = 2
* Unique values = 1
* Missing: 0

**M3\_VISIT\_DATE**

* Definition: Date of three month check-up visit
* Tabulation:
  + MM/DD/YYYY
* Unique values = 264
* Missing: 0

**M3\_BEST\_CORRECTED\_VA\_MEASURE**

* Definition: Distance at which visual acuity was measured during three month follow-up
* Tabulation:
  + Feet = 1
  + Meter = 2
* Unique values = 2
* Missing: 0

**M3\_BEST\_CURRECTED\_VA**

* Definition: three month best visual acuity measured with correction of eye undergoing surgery
* Tabulation:
  + CF(@distance): Can accurately count fingers at given distance
  + PL+PR+Acc: Recognize light in all four quadrants and directions
  + PL+PR+Inacc: Recognizes light
  + HM: Recognizes hand motions
  + n/N: n/N vision for eye

|  |  |
| --- | --- |
| 20/125 | 1 |
| 20/30 | 2 |
| 20/25 | 3 |
| CF | 4 |
| HM+PL+PRinacc | 5 |
| 20/80 | 6 |
| PL+PR+Inacc | 7 |
| 20/50 | 8 |
| PL+PR+Acc | 9 |
| 20/200 | 10 |
| HM | 11 |
| 20/400 | 12 |
| <20/125 | 13 |
| 20/100 | 14 |
| 43440 | 15 |
| 20/60 | 16 |
| 20/40 | 17 |
| HM+PL+PRAcc | 18 |
| PL | 19 |
| 20/160 | 20 |
| 43257 | 21 |

* Unique values = 21
* Missing: 0

**M3\_STATUS\_OF\_GRAFT\_CORNEA**

* Definition: three month best measured vision of eye with new graft
* Tabulation:
  + Number (vision measure)
* Unique values = 4
* Missing: 0

**M3\_GRFT\_STATUS\_DESC**

* Definition: Three month visual description of graft
* Tabulation:
  + Written description of graft

|  |  |
| --- | --- |
| Opacity, visual axis not clear | 1 |
| Failed | 2 |
| Completely clear graft | 3 |
| Opacity, but visual axis clear | 4 |

* Unique values = 4
* Missing: 0

**M3\_GRAFT\_NOT\_CLEAR**

* Definition: If graft restored vision after three months
* Tabulation:
  + Number
* Unique values = 6
* Missing: 0

**M3\_GRFT\_CLEAR\_DESC**

* Definition: Why graft did not restore vision after three months
* Tabulation:
  + Other (e.g. OSD), Unknown, Acquired Infection, Endothelial Decompensation

|  |  |
| --- | --- |
| Other (e.g. OSD) | 1 |
| Acquired infection | 2 |
| Endothelial decompensation | 3 |
| Unknown | 4 |
| Primary graft failure (i.e. never cleared) | 5 |
| Irreversible rejection | 6 |

* Unique values = 6
* Missing: 0

**M3\_GRAFT\_NOT\_CLEAR\_TXT**

* Definition: Additional description for why graft did not restore vision after three months
* Tabulation:
  + Text comments

|  |  |
| --- | --- |
| SPK | 1 |
| Str.edema, Epi.edema | 2 |
| Epi. edema | 3 |
| superfical puncatate keratopathy | 4 |

* Unique values = 4
* Missing: 0

**M3\_SURGERY\_COMPLICATIONS\_YORN**

* Definition: Yes or No surgery complications
* Tabulation:

|  |  |
| --- | --- |
| Yes | 1 |
| No | 2 |

* Unique values = 2
* Missing: 0

**M3\_SURGERY\_COMPLICATIONS\_MGMT**

* Definition: Management prescribed for surgery complications for three month follow-up
* Tabulation:

|  |  |
| --- | --- |
| Medical | 1 |
| Surgical | 2 |

* Unique values = 2
* Missing: 0

**M3\_SURGERY\_COMPLICATIONS\_TXT**

* Definition: Description of surgery complications found during three month follow-up
* Tabulation:
  + Text
* Unique values = 0
* Missing: 0

**M3\_IS\_Va\_YORN**

* Definition
* Tabulation:

|  |  |
| --- | --- |
| Yes | 1 |
| No | 2 |

* Unique values = 2
* Missing: 0

**M3\_VA\_REASON**

* Definition: Month three reason for poor visual acuity
* Tabulation:
  + (format)
* Unique values = TBD
* Missing: 0

**M3\_IF\_VA\_OTHER\_TXT**

* Definition: Three month other reason for poor visual acuity
* Tabulation:
  + Text

|  |
| --- |
| 97 |
| 96 |

* Unique values = 2
* Missing: 0

**M3\_IF\_VA\_OTHER\_TXT**

* Definition: Three month other reason for poor visual acuity
* Tabulation:
  + Text

|  |  |
| --- | --- |
| Failed graft | 1 |
| Graft Infiltrate | 2 |
| Clear graft | 3 |
| unknown | 4 |
| MILD OEDEMA | 5 |
| Graft rejection | 6 |

* Unique values = 6
* Missing: 0

**Y1\_DATE\_OF\_EXAMINATION**

* Definition: Date of examination one year after surgery
* Tabulation:
  + mm/dd/yyyy
* Unique values = 114
* Missing: 0

**Y1\_EXAMINED\_AT\_1YEAR**

* Definition: Was patient present for one year examination
* Tabulation:

|  |  |
| --- | --- |
| Yes | 1 |
| No | 2 |

* Unique values = 2
* Missing: 0

**Y1\_NO\_OF\_WEEKS**

* Definition: Number of weeks between surgery and one year check-up
* Tabulation:
  + # of weeks
* Unique values = 1
* Missing: 0

**Y1\_PT\_LOST\_TO\_FOLOWUP**

* Definition: Patient did not come back for one year follow-up
* Tabulation:

|  |  |
| --- | --- |
| Yes | 1 |
| No | 2 |

* Unique values = 2
* Missing: 0

**Y1\_VISIT\_DATE**

* Definition: Date of one year check-up visit
* Tabulation:
  + MM/DD/YYYY
* Unique values = 124
* Missing: 0

**Y1\_BEST\_CORRECTED\_VA\_MEASURE**

* Definition: Distance at which visual acuity was measured during one year follow-up
* Tabulation:

|  |  |
| --- | --- |
| Feet | 1 |
| Meter | 2 |

* Unique values = 2
* Missing: 0

**Y1\_BEST\_CURRECTED\_VA**

* Definition: One year best visual acuity measured with correction of eye undergoing surgery
* Tabulation:
  + CF(@distance): Can accurately count fingers at given distance
  + PL+PR+Acc: Recognize light in all four quadrants and directions
  + PL+PR+Inacc: Recognizes light
  + HM: Recognizes hand motions
  + n/N: n/N vision for eye

|  |  |
| --- | --- |
| 20/80 | 1 |
| CF | 2 |
| 20/400 | 3 |
| HM | 4 |
| 20/50 | 5 |
| 20/200 | 6 |
| PL+PR+Acc | 7 |
| HM+PL+PRAcc | 8 |
| HM+PL+PRinacc | 9 |
| 20/100 | 10 |
| PL | 11 |
| PL+PR+Inacc | 12 |
| 20/60 | 13 |
| 20/125 | 14 |
| 20/20 | 15 |

* Unique values = 15
* Missing: 0

**Y1\_STATUS\_OF\_GRAFT\_CORNEA**

* Definition: One year best measured vision of eye with new graft
* Tabulation:
  + Number (vision measure)
* Unique values = 4
* Missing: 0

**Y1\_GRFT\_STATUS\_DESC**

* Definition: One year visual description of graft
* Tabulation:
  + Written description of graft

|  |  |
| --- | --- |
| Completely clear graft | 1 |
| Opacity, visual axisnot clear | 2 |
| Opacity, but visual axis clear | 3 |
| Failed | 4 |

* Unique values = 4
* Missing: 0

**Y1\_GRAFT\_NOT\_CLEAR**

* Definition: If graft restored vision after one year
* Tabulation:
  + Number
* Unique values = 5
* Missing: 0

**Y1\_GRFT\_CLEAR\_DESC**

* Definition: Why graft did not restore vision after one year
* Tabulation:

|  |  |
| --- | --- |
| Other (e.g. OSD) | 1 |
| Acquired infection | 2 |
| Unknown | 3 |
| Primary graft failure (i.e. never cleared) | 4 |
| Irreversible rejection | 5 |

* Unique values = 5
* Missing: 0

**Y1\_GRAFT\_NOT\_CLEAR\_TXT**

* Definition: Additional description for why graft did not restore vision after one year
* Tabulation:
  + Text comments

|  |  |
| --- | --- |
| Str. edema,Filaments | 1 |
| Epi.edima,Str.edima | 2 |
| Epi defect,Str.edema,Infiltrte | 3 |
| As Shallow | 4 |
| K.p.s | 5 |
| Scar | 6 |

* Unique values = 6
* Missing: 0

**Y1\_SURGERY\_COMPLICATIONS\_YORN**

* Definition
* Tabulation:

|  |  |
| --- | --- |
| Yes | 1 |
| No | 2 |

* Unique values = 2
* Missing: 0

**Y1\_SURGERY\_COMPLICATIONS\_MGMT**

* Definition: Management prescribed for surgery complications for one year follow-up
* Tabulation:

|  |  |
| --- | --- |
| Medical | 1 |
| Surgical | 2 |

* Unique values = 2
* Missing: 0

**Y1\_SURGERY\_COMPLICATIONS\_TXT**

* Definition: Description of surgery complications found during one year follow-up
* Tabulation:
  + Text

|  |  |
| --- | --- |
| resuturing on 13/07/2011 | 1 |

* Unique values = 1
* Missing: 0

**Y1\_IS\_Va\_YORN**

* Definition
* Tabulation:

|  |  |
| --- | --- |
| Yes | 1 |
| No | 2 |

* Unique values = 2
* Missing: 0

**Y1\_VA\_REASON**

* Definition: Year one reason for poor visual acuity
* Tabulation:
  + Number
* Unique values = 2
* Missing: 0

**Y1\_IF\_VA\_OTHER\_TXT**

* Definition: One year other reason for poor visual acuity
* Tabulation:

|  |  |
| --- | --- |
| Failed graft | 1 |
| Graft rejection | 2 |

* Unique values = 2
* Missing: 0