|  |  |  |
| --- | --- | --- |
| **Parameters** | **Total** |  |
| Age | 29.32 |  |
| ***Obstetric Profile*** |  |  |
| Gravidity (Mean ±SD)1 | 2.25 |  |
| Parity(Mean ±SD) | 1.71 |  |
| MRS (Mean ±SD) | 0.2 |  |
| Gestational diabetes (Num %)2  Yes  No  unavailable | 9%  72.9%  18.1% | 30  242  60 |
| Gestational hypertension (Num %)  Yes  No  unavailable | 19.3%  62.6 %  18.1% | 64  208  60 |
| ***Neurological Profile*** |  |  |
| History of neurological disorders (Num %)  Yes  No  unavailable | 17.8%  73.8%  8.4% | 59  245  28 |
| Neurological conditions in current pregnancy (Num %)  Headache  Epilepsy  CVT3  Stroke  ICH4  MS5  Brain Tumor  Guillotine-Bare  Miya stein  Eclampsia  Other convolution | 53.9%  17.2%  8.7%  0.9%  2.4%  4.5%  0.6%  0.3%  1.2%  4.8%  5.4% | 179  57  29  3  8  15  2  1  4  16  18 |
| Onset of Neurological Symptoms (Num %)  Before pregnancy  First trimester  Second trimester  Third trimester  Pere-partum  Post-partum  Unavailable | 23.5%  13%  12.7%  18.6%  1.5%  22.9%  7.8% | 78  43  42  62  5  76  26 |
| ***Pregnancy Outcome*** |  |  |
| Delivery (Num %)  NVD6  C/S7  Abortion  unavailable | 30.7%  61.1%  5.4%  2.7% | 102  203  18  9 |
| Fetus (Num %)  Abortion  Stillbirth  Preterm  Term  Congenital disorders  unavailable | 5.4%  1.8%  8.1%  78.9%  0.6%  5.1% | 18  6  27  262  2  17 |
| Maternal mortality (Num %) | 0.6% | 2 |

Table 1 – Baseline characteristics of mothers with neurological complaints over the course of pregnancy or post-partum period

1Mean ±SD=standard deviation

2Num%=number and percentage

3CVT=Cerebral Venous Thrombosis

4ICH=Intracranial Hemorrhage

5M.S= Multiple sclerosis

6NVD= Normal vaginal delivery

7C/S= Cesarean section

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Parameters | Headache | epilepsy | other seizure | Stroke | CVT | | ICH | | MS | Brain Tumor | Guillotines-Barre | miastingaravis | eclampsia |
| Age | 30 | 28.6 | 27.77 | 29.3 | 29 | | 27.75 | | 29.2 | 34 | 31 | 26.2 | 27.25 |
| *Obstetric Profile* |  | | | | | | | | | | | | |
| Gravidity | 2.4 | 2.2 | 2.15 | 1.33 | 1.82 | | 2 | | 2.53 | 4 | 1 | 1 | 1.87 |
| Parity | 1.84 | 1.75 | 1.44 | 1.33 | 1.32 | | 1.57 | | 1.6 | 2.5 | 1 | 1 | 1.47 |
| Gestational diabetes  Yes  No  Unavailable | 10.1%(18)  73.1%(131)  16.8%(30) | 8.2%(5)  67.2%(41)  24.6(15) | 14.3%(2)  50%(7)  35.7%(9) | 0%  100%(3)  0% | 3.4%(1)  69%(19)  27.6%(8) | | 25%2  62.5%(5)  12.5%(1) | | 0%  93.7%(14)  6.7%(1) | 50%(1)  50%()1  0% | 0%  100%  0% | 0%  100%(1)  0% | 6.3%(1)  93.8%(15)  0% |
| Gestational hypertension  Yes  No  Unavailable | 19.5(35)  63.7(114)  16.8%(30) | 11.4%(7)  64%(39)  24.6%(15) | 7.1% (1)  57.1%(8)  35.7%(5) | 33.3%(1)  66.7%(2)  0% | 3.4%(1)  69%(19)  27.6% | | 37.5%(3)  50%(4)  12.5%(1) | | 0%  93%(14)  6.7%(1) | 0%  100%  0% | 0%  100%  0% | 0%  100%(1)  0% | 100%(16)  0%  0% |
| Neurological Profile | | | | | | | | | | | | | |
| History of neurological disorders  Yes 17.8%  No 73.8  Unavailable 8.4% | 5%(9)  83.3%(149)  11.7%(21) | 84.2%(48)  15.8%(9)  - | 7.1%(1)  71.4%(4)  21.4%(3) | 0%  100%  0% | 3.4%(1)  93.2%(27)  3.4%(1) | | 0%  100%(8)  0% | | 93.4%(14)  6.7%(1)  0% | 50%(1)  50%(1)  0% | 0%  100%(1)  0% | 100%(4)  0%  0% | 0%  100%\*(16)  0% |
| Pregnancy Outcome | | | | | | | | | | | | | |
| Delivery  NVD  C/S  Abortion  unavailable | 32.4%(58)  59.2%(106)  5%(9)  3.4%(6) | 43.9%(25)  47.4%(27)  7%(4)  1.7%(1) | 16.7%(3)  77.7%(14)  0%  5.6%(1) | 0%  100%  0%  0% | 24.1%(7)  72.4%(21)  0%  3.4%(1) | | 12.5%(1)  75%(6)  12.5%(1)  0% | | 26.7%(4)  53.3%(8)  20%(3)  0% | 0%  100%  0%  0% | 0%  100%  0%  0% | 25%  75%  0%  0% | 18.7%(3)  75%(12)  6.3%(1)  0% |
| Fetus  Abortion  Stillbirth  Preterm  Congenital disorders  Term  unavailable | 5%(9)  0.6%(1)  7.8%(14)  0.6%(1)  83.2%(142)  2.8%(5) | 7%(4)  1.8%(1)  8.7%(5)  0%  77.2%(44)  5.3%(3) | 0%  0%  11.1%(2)  0%  66.7%(12)  33.3% | 0%  0%  0%  0%  100%  0% | 0%  10.3%(3)  3.4%(1)  3.4%(1)  72.4%(21)  10.3%(3) | | 12.5%(1)  0%  12.5%(1)  0%  62.5%(5)  12.5%(1) | | 20%(3)  0%  0%  0%  80%(12)  0% | 0%  0%  50%(1)  0%  50%(1)  0% | 0%  0%  0%  0%  100%(1)  0% | 0%  0%  0%  0%  100%(4)  0% | 6.3%(1)  6.3%(1)  18.8%(3)  0%  62.5%(10)  6.3%(1) |
| Maternal mortality | 0% | 0% | 0% | 33.3% | 0% | | 12.5% | | 0% | 0% | 0% | 0% | 0% |
| MRS | 0.09 | 0.16 | 0.05 | 3 | 0.22 | | 1.42 | | 2 | 0 | 4 | 1.15 | 1.06 |
| Maternal mortality | 0% | 0% | 0% | 33.3% | | 0% | | 12.5% | 0% | 0% | 0% | 0% | 0% |
| MRS | 0.09 | 0.16 | 0.05 | 3 | | 0.22 | | 1.42 | 2 | 0 | 4 | 1.15 | 1.06 |

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Onset of neurological symptoms |  |  |  |  |  |  |  |  | - |  |  |
| Before pregnancy  First trimester  Second trimester  Third trimester  Pere-partum  Post-partum  unavailable | 5%(9)  16.2%(29)  16.8%(30)  23.5%(42)  0.6%(1)  26.3%(47)  11.6(21) | 84.2%(48)  14%(8)  1.8%(1)  0%  0%  0%  0% | 11.1%(2)  11.1%(2)  22.2%(4)  11.1%(2)  11.1%(2)  16.7%(3)  16.7%(3) | 0%  0%  0%  33.3%(1)  0%  66.7%(2)  0% | 3.4%(1)  10.3%(3)  10.3%(3)  24.1%(7)  3.4%(1)  44.8%(13)  3.4%(1) | 0%  0%  12.5%(1)  25%(2)  12.5%(1)  50%(4)  0% | 93.3(14)  6.7%(1)  0%  0%  0%  0%  0% | 0%  50%  0%  50%  0%  0%  0% | 0%  0%  0%  100%  0%  0%  0% | 100%  0%  0%  0%  0%  0%  0% | 0%  0%  12.5%(2)  37.5%(6)  0%  43.7(7)  **6.3%(1)** |

Table2 . the range of neurological symptoms separately for each neurological condition