**RithMM Study – Data Analysis**

*Time-Invariant Data*

AL: Stage

N = 34.

|  |  |  |
| --- | --- | --- |
| **Stage** | **Frequency** | **Proportion** |
| 1 | 18 | 52.94% |
| 2 | 8 | 23.53% |
| 3 | 8 | 23.53% |

AN: Current Line of Therapy

N = 34

|  |  |  |
| --- | --- | --- |
| **Line Number** | **Frequency** | **Proportion** |
| 1 | 9 | 26.47% |
| 2 | 25 | 73.53% |

AO: Monoclonal Immunoglobulin (choice=IgG)

N = 34

|  |  |  |
| --- | --- | --- |
| **Checked/Unchecked?** | **Frequency** | **Proportion** |
| Checked | 23 | 67.65% |
| Unchecked | 11 | 32.35% |

AP: Monoclonal Immunoglobulin (choice=IgA)

N = 34

|  |  |  |
| --- | --- | --- |
| **Checked/Unchecked?** | **Frequency** | **Proportion** |
| Checked | 24 | 70.58% |
| Unchecked | 10 | 29.41% |

AQ: Monoclonal Immunoglobulin (choice=IgM)

N = 34

|  |  |  |
| --- | --- | --- |
| **Checked/Unchecked?** | **Frequency** | **Proportion** |
| Checked | 0 | 0% |
| Unchecked | 34 | 100% |

AR: Monoclonal Immunoglobulin (choice=Light chain kappa)

N = 34

|  |  |  |
| --- | --- | --- |
| **Checked/Unchecked?** | **Frequency** | **Proportion** |
| Checked | 18 | 52.94% |
| Unchecked | 16 | 47.06% |

AS: Monoclonal Immunoglobulin (choice=Light chain lambda)

N = 34

|  |  |  |
| --- | --- | --- |
| **Checked/Unchecked?** | **Frequency** | **Proportion** |
| Checked | 12 | 35.29% |
| Unchecked | 22 | 64.71% |

BH: Dose of Lenalidomide

N = 33

|  |  |  |
| --- | --- | --- |
| **Dosage** | **Frequency** | **Proportion** |
| 5 | 1 | 3.03% |
| 10 | 4 | 12.12% |
| 15 | 10 | 30.30% |
| 20 | 5 | 15.15% |
| 25 | 13 | 39.39% |

Mean = 18.79

Median = 20

Mode = 25

Std: 5.998

BK: Dose of Dexamethasone

N = 33

|  |  |  |
| --- | --- | --- |
| **Dosage** | **Frequency** | **Proportion** |
| 8 | 1 | 3.03% |
| 10 | 3 | 9.09% |
| 16 | 3 | 9.09% |
| 20 | 20 | 60.60% |
| 40 | 6 | 18.18% |

Mean = 22

Median = 20

Mode = 20

Std: 9.29

BN : Previous Aspirin Use

N = 34

|  |  |  |
| --- | --- | --- |
| **Yes/No?** | **Frequency** | **Proportion** |
| Yes | 13 | 38.24% |
| No | 21 | 61.76% |

BO: Weight (kg)

N = 34

Max = 166

Min = 29.5

Mean = 81.12

Median = 76.1

Mode = 70.3

Std = 25.17

CF: Treatment Arm

N = 33

|  |  |  |
| --- | --- | --- |
| Treatment arm | **Frequency** | **Proportion** |
| Aspirin | 17 | 51.52% |
| Rivaroxaban | 16 | 48.48% |

CJ: Age at the time of Consent

N = 33

Max = 87

Min = 52

Mean = 73.97

Median = 76

Mode = 77

Std = 8.698

CK: Ethnicity

N = 33

|  |  |  |
| --- | --- | --- |
| **Ethnicity** | **Frequency** | **Proportion** |
| Hispanic or Latino | 1 | 3.03% |
| Not Hispanic or Latino | 30 | 90.90% |
| Not reported | 2 | 6.06% |

CL: Race

N = 33

|  |  |  |
| --- | --- | --- |
| **Race** | **Frequency** | **Proportion** |
| Asian | 1 | 3.03% |
| Not reported | 1 | 3.03% |
| Unknown | 2 | 6.06% |
| White | 29 | 87.88% |

CM: Sex

N = 33

|  |  |  |
| --- | --- | --- |
| **Sex** | **Frequency** | **Proportion** |
| Male | 21 | 63.64% |
| Female | 12 | 36.36% |

CO: Patient is aged 65 or older

N = 33

|  |  |  |
| --- | --- | --- |
| **Yes/No?** | **Frequency** | **Proportion** |
| Yes | 29 | 87.88% |
| No | 4 | 12.12% |

CP: History of GI tract Bleeding

N = 33

|  |  |  |
| --- | --- | --- |
| **Yes/No?** | **Frequency** | **Proportion** |
| Yes | 1 | 3.03% |
| No | 32 | 96.97% |

CQ: History of cardiovascular disease

N = 32

|  |  |  |
| --- | --- | --- |
| **Yes/No?** | **Frequency** | **Proportion** |
| Yes | 6 | 18.75% |
| No | 26 | 81.25% |

CS: Score

N = 33

|  |  |  |
| --- | --- | --- |
| **Score** | **Frequency** | **Proportion** |
| 0 | 4 | 12.12% |
| 1 | 17 | 51.51% |
| 2 | 9 | 27.27% |
| 3 | 3 | 9.09% |

CT: Bleeding Score? 0 points- Low 1-2 points Intermediate 3-4 points High

N = 33

|  |  |  |
| --- | --- | --- |
| **Score** | **Frequency** | **Proportion** |
| Low Score | 6 | 18.18% |
| Intermediate | 24 | 72.72% |
| High Risk | 3 | 9.09% |

**NOTE**: I was going by what was given in the tables, however, compare table CS to CT, they don’t match.

DG: D dimer

N = 29

|  |  |  |
| --- | --- | --- |
| **Yes/No?** | **Frequency** | **Proportion** |
| Positive | 20 | 68.97% |
| Negative | 9 | 31.03% |

CW-DF, DH-DJ:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Platelet Count | Hematocrit | Hemoglobin | Serum Albumin | Total Bilirubin |
| N | 33 | 33 | 33 | 33 | 33 |
| Mean | 202.606061 | 32.6692727 | 112.727273 | 37.8181818 | 6.63030303 |
| Median | 193 | 35.2 | 114 | 39 | 6 |
| Mode | 293 | 36 | 113 | 35 | 4 |
| Std. | 78.2843133 | 9.84176496 | 17.1232166 | 5.49121199 | 3.74545432 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Creatinine | AST | ALT | LDH | Creatinine Clearance |
| 33 | 32 | 29 | 28 | 32 |
| 101.878788 | 21.3125 | 26.4827586 | 196.142857 | 71.568125 |
| 86 | 21 | 16 | 178 | 63.79 |
| 82 | 14 | 14 | 168 | #N/A |
| 50.6968672 | 10.1740895 | 44.3706955 | 72.031739 | 41.9136524 |

|  |  |  |  |
| --- | --- | --- | --- |
| D dimer (Done previously) | ddimervalue | C-reactive protein | Beta-2 macroglobulin |
|  | 24 | 31 | 29 |
|  | 1921.33333 | 5.46806452 | 3.93765172 |
|  | 1165 | 2.7 | 3.11 |
|  | 4399 | 0.6 | #N/A |
|  | 2430.85164 | 7.46437513 | 2.54546346 |

|  |
| --- |
|  |

DN – DQ:

.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Serum M-Protein | Urine M-Protein | Free light chain kappa | Free light chain lambda |
| N | 28 | 3 | 31 | 31 |
| Mean | 15.0357143 | 4.33333333 | 776.951613 | 205.941935 |
| Median | 16.15 | 0.1 | 36.5 | 11.9 |
| Mode | 1.4 | #N/A | #N/A | 11.5 |
| Std. | 11.7522957 | 7.41911944 | 2619.01307 | 516.75626 |

*Time-Varying Data*

DW: Weight

Refer to html documents:

-Weight\_TimeVaryingData.html

-Weight\_TimeVaryingData\_cleaned.html

EA: Anticoagulation

|  |  |  |
| --- | --- | --- |
| **Visit # / Anticoagulation** | 100% | 99 – 75% |
| 1 | 30 | 1 |
| 2 | 18 | 2 |
| 3 | 17 | 0 |

Graphical user interface, text, application

Description automatically generated

EM: LDH

* LDH\_time\_varying\_data.html
* LDH\_time\_varying\_data\_cleaned.html

EQ: D dimer (choice=positive)

|  |  |  |
| --- | --- | --- |
| **Visit # / Checked or not** | Checked | Unchecked |
| 1 | 14 | 17 |
| 2 | 8 | 12 |
| 3 | 5 | 11 |

Table

Description automatically generated with medium confidence

ER: D dimer (choice=negative)

|  |  |  |
| --- | --- | --- |
| **Visit # / Checked or not** | Checked | Unchecked |
| 1 | 10 | 21 |
| 2 | 8 | 12 |
| 3 | 7 | 9 |

Table

Description automatically generated

ES: Dimer value

ddimer\_time\_varying\_data.html

ddimer\_time\_varying\_data\_cleaned.html

ET: C-reactive protein

Crp\_time\_varying\_data.html

Crp\_time\_varying\_data\_cleaned.html

EU: Beta-2 Microglobulin

|  |  |  |  |
| --- | --- | --- | --- |
| *Table 1 – Baseline Characteristics* | **-** | **Aspirin (1)** | **Rivaroxaban (2)** |
| **Sex** | Male (1) | 8 | 12 |
| Female (0) | 8 | 4 |
| **Age at the time of consent** | Mean | 73.375 | 74 |
| Median | 73 | 76.5 |
| STD. | 9.379 | 8.22 |
| n | 16 | 16 |
| Range | 87 – 54 = 33 | 82-52 = 30 |
| **Older than 65 (Y/N)** | Yes (1) | 14 | 14 |
| No (0) | 2 | 2 |
| **Race** | White (4) | 13 | 15 |
| Asian (2) | 1 | 0 |
| Unknown (6 + 5) | 2 | 1 |
| **History of GI Tract Bleeding** | Yes (1) | 1 | 0 |
| No (0) | 15 | 16 |
| **Bleeding Score** | Low score (1) | 3 | 3 |
| Intermediate (2) | 12 | 11 |
| High risk (3) | 1 | 2 |
| **History of C.V. Disease** | Yes (1) | 3 | 3 |
| No (0) | 13 | 12 |
| **IGG** | Checked (1) | 12 | 11 |
| Unchecked (0) | 5 | 5 |
| **IGA** | Checked (1) | 5 | 5 |
| Unchecked (0) | 12 | 11 |
| **IGM** | Checked (1) | 0 | 0 |
| Unchecked (0) | 17 | 16 |
| **Light Chain when heavy chain not present** | Checked (1) | 1 | 0 |
| Unchecked (0) | 16 | 16 |
| **Stage** | 1 | 10 | 7 |
| 2 | 3 | 5 |
| 3 | 4 | 4 |
| **Creatinine Clearance** | <60 | 7 | 5 |
| >60 | 9 | 10 |
| **Hemoglobin** | Mean | 112.44 | 114.313 |
| Median | 113.5 | 116 |
| STD. | 19.5 | 14.62 |
| n | 16 | 16 |
| Range | 140-74 = 66 | 138-50 = 58 |
| **Current line of therapy** | 1 | 4 | 4 |
| 2 | 13 | 12 |
| **Lenalidomide dose** | <25mg | 10 | 10 |
| 25mg | 7 | 6 |
| **Dexamethasone dose** | <20mg | 5 | 2 |
| 20mg | 9 | 11 |
| 40mg | 3 | 3 |
| **Weight (kg)** | Mean | 76.92 | 86.394 |
| Median | 70.3 | 85.35 |
| STD. | 29.106 | 20.71 |
| n | 17 | 16 |
| Range | 166-39.5 = 126.5 | 133.4-58 = 75.4 |
| **LDH** | Mean | 212.429 | 174.769 |
| Median | 179 | 176 |
| STD. | 94.526 | 31.353 |
| n | 14 | 13 |
| Range | 488 – 101 = 387 | 220 – 116 = 104 |
| **DDimer** | Mean | 2626.308 | 1019.4 |
| Median | 1545 | 1043 |
| STD. | 3138.93582 | 582.721813 |
| n | 13 | 10 |
| Range | 11607 – 205 = 11402 | 2312 – 255 = 2057 |
| **CReactive Protein** | Mean | 6.065 | 4.976 |
| Median | 2.8 | 2.55 |
| STD. | 6.56013211 | 8.81 |
| n | 16 | 14 |
| Range | 20.74 – 0.6 = 20.14 | 35 – 0.3 = 34.7 |
| **Beta-2-microglobin** | Mean | 4.162 | 3.726 |
| Median | 3.18 | 3.1 |
| STD. | 3.079 | 1.979 |
| n | 15 | 13 |
| Range | 14.05 – 2.26 = 11.79 | 7.92 – 1.9 = 6.02 |

Table 2: LDH, ddimer, crp, b2m (baseline + time varying values)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| *Table 2 – Baseline and time varying values* |  |  | **Aspirin (1)** | **Rivaroxaban (2)** |
| **LDH** | Baseline |  | 212.429 (73.054)  n = 14 | 174.769 (74.586)  n = 13 |
| Time-varying (Lab-visit number) | 1 | 211.438 (69.529) n = 16 | 182.600 (42.868)  n = 15 |
| 2 | 197.500 (44.558)  n = 10 | 193.571 (29.955)  n = 7 |
| 3 | 192.222 (62.050)  n = 9 | 214.286 (51.445)  n = 7 |
| **DDimer** | Baseline |  | 2626.308 (2430.852)  n = 13 | 1019.4 (2533.759)  n = 10 |
| Time-varying (Lab-visit number) | 1 | 1853.417 (1410.559)  n = 12 | 503.000 (284.219)  n = 10 |
| 2 | 2016.000 (1591.328)  n = 7 | 232.000 (80.907)  n = 7 |
| 3 | 1615.286 (1568.889)  n = 7 | 945.000 (1566.292)  n = 5 |
| **CReactive Protein** | Baseline |  | 6.065 (7.669)  n = 16 | 4.976 (7.27)  n = 14 |
| Time-varying (Lab-visit number) | 1 | 14.495 (23.465)  n = 13 | 9.322 (12.099)  n = 13 |
| 2 | 9.556 (12.188)  n = 9 | 10.836 (17.152)  n = 8 |
| 3 | 8.314 (11.083)  n = 7 | 2.280 (2.203)  n = 5 |
| **Beta-2-microglobin** | Baseline |  | 4.162 (2.561)  n = 15 | 3.726 (2.616)  n = 13 |
| Time-varying (Lab-visit number) | 1 | 4.889 (7.348)  n = 15 | 3.310 (1.651)  n = 13 |
| 2 | 2.848 (1.409)  n = 9 | 2.785 (1.173)  n = 8 |
| 3 | 2.766 (1.340)  n = 7 | 2.238 (0.534)  n = 5 |