Table 1: Patients’ characteristics

|  |  |
| --- | --- |
| Parameter | Patient Population |
| **Age** (median) | 60 (60-81) |
| **Gender** (Female /Male)(n) | 31/32 |
| **MM Subgroup**  Heavy chain (n)  Light chain (n)  Nonsecretory (n)  Unknown (n) | 49  12  1  1 |
| **ISS**  ISS I (n)  ISS II (n)  ISS III (n)  Unknown | 12  23  22  6 |
| **Durie Salmon Stage**  DS1 (n)  DS2 (n)  DS3 (n) | 15  46  2 |
| **Pre-transplant disease status**  CR (n)  VGPR (n)  PR (n)  Stable disease (n)  Progressive (n) | 23  18  19  2  1 |
| **Chemoterapy line(s)**  1 line (n)  2 lines (n)  3 lines (n)  5 lines (n) | 24  31  7  1 |
| **Melphalan dose**  140mg/m2 (n)  200mg/m2 (n) | 12  51 |
| **Renal Failure** (GFR<50ml/min/day)  Present (n)  None(n) | 4  59 |
| **Radiotherapy**  Applied (n)  None (n) | 7  56 |
| **The quantity of infused CD34+ Stem Cells** (median) | 4.45 x106 /kg (2,57-8,1) |

MM: multiple myeloma, ISS: International Staging System, DS: Durie Salmon,

CR: complete response, VGPR: very good partial response, PR: partial response,

GFR: glomerular filtration rate, min:minute

**Table 2:** Progression-free-survival and Overall survival between age groups

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **60-64 years** | **65-69 years** | **≥70 years** | **p value** |
| **Progression-free Survival (PFS) (months)** | 12±2,3 | 18,4±6 | 26±15 | p : 0,463 |
| **Overall Survival (OS) (months)** | 26,5±6,1 | 39,66±8,9 | 18 | p : 0,620 |

**Table 3:** Factors impacting Progression-free-survival and Overall survival

|  |  |  |
| --- | --- | --- |
|  | Progression Free Survival (PFS) | Overall Survival (OS) |
| The quantity of infused median CD34+ Stem Cells | p: 0.05\* | P: <0.001\*\* |
| ISS | p: 0,716 | p: 0.041\* |
| Gender | p: 0,304 | p: 0,810 |
| Age Groups | p: 0,463 | p: 0,620 |
| MM subgroup | p: 0,587 | p: 0,984 |
| Melphalan dose (140 mg/m2 vs 200 mg/m2) | p: 0,115 | p: 0,578 |
| number of chemoterapy lines received | p: 0,434 | p: 0,272 |
| Radiotherapy | p: 0,224 | p: 0,501 |
| Pre-transplant disease status | p: 0,767 | p: 0,054 |
| Post-transplant disease status | p: 0,268 | p: 0,811 |

ISS : International Staging System , MM : multiple myeloma , \*p<0.05