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) |  4912 1 1 |
| **ISS**ISS I (n)ISS II (n)ISS III (n)Unknown |  1223 22  6 |
| **Durie Salmon Stage**DS1 (n) DS2 (n)DS3 (n) |  1546 2 |
| **Pre-transplant disease status** CR (n)VGPR (n)PR (n)Stable disease (n)Progressive (n) | 2318 19 2 1 |
| **Chemoterapy line(s)**1 line (n)2 lines (n)3 lines (n)5 lines (n) | 243171 |
| **Melphalan dose** 140mg/m2 (n)200mg/m2 (n) | 1251 |
| **Renal Failure** (GFR<50ml/min/day) Present (n) None(n)  | 459  |
| **Radiotherapy** Applied (n) None (n) | 756 |
| **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