

mSMART 3.0: Classification of Active MM

High-Risk

■ High Risk genetic Abnormalities ^{a,b}

- t(4;14)
- t(14;16)
- t(14;20)
- Del 17p
- p53 mutation
- Gain 1q

- RISS Stage 3
- High Plasma Cell S-phase^c
- GEP: High risk signature

- **Double Hit Myeloma: Any 2 high risk genetic abnormalities**
- **Triple Hit Myeloma: 3 or more high risk genetic abnormalities**

Standard-Risk^a

All others including:

- Trisomies
- t(11;14)^d
- t(6;14)

^aTrisomies may ameliorate

^b By FISH or equivalent method

^c Cut-offs vary

^d t(11;14) may be associated with plasma cell leukemia