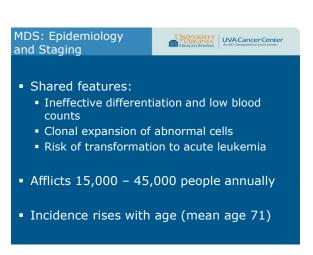


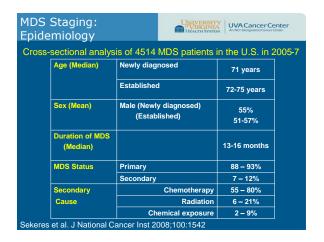


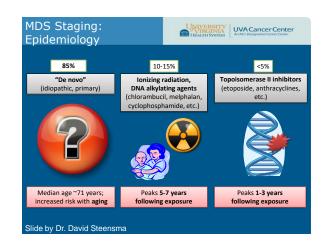


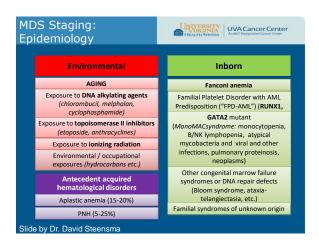


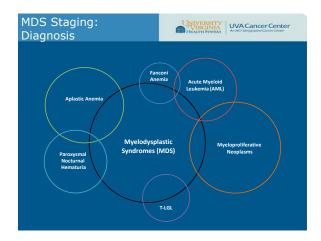
MDS: Epidemiology and Staging
 A heterogeneous clonal hematopoietic disorder derived from an abnormal multipotent progenitor cell
 Characterized by a hyperproliferative bone marrow, dysplasia of the cellular elements, and ineffective hematopoiesis
 MDS is a Cancer!!!

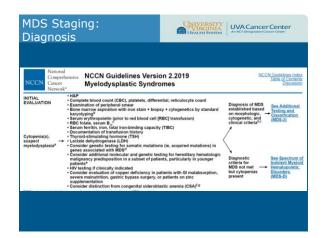


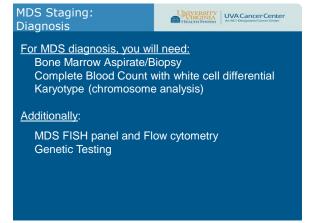


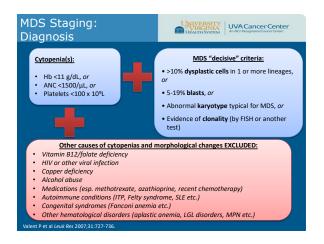


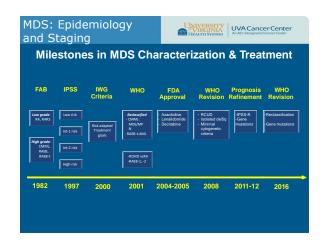


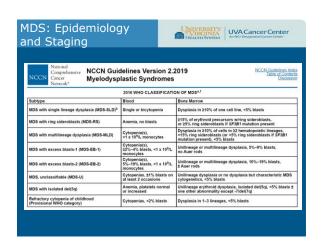


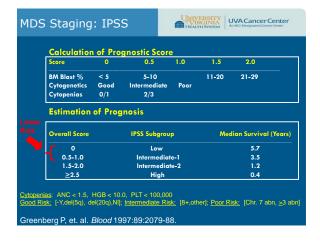


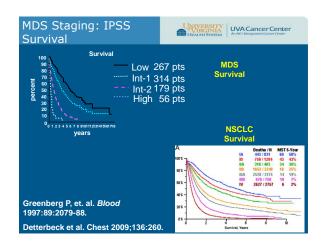




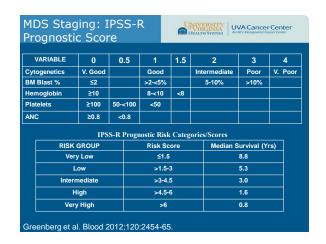


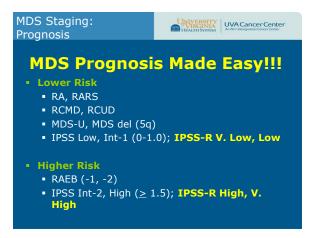


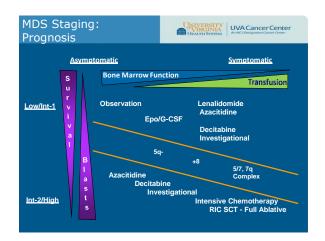




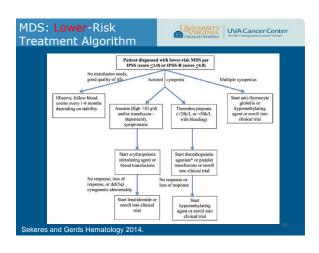
Prognostic subgroup	Abnormality				Overall survival		
	Single	Double	Complex	n (%)	Median (months; 95% CI) P<0.01	HR (95% CI)	Score
Very good	del(11q) -Y			81 (2.9)	60.8 (50.3-NR)	0.5 (0.3-0.7) +	0
Good (ref.)	Normal del(5q) del(12p) del(20q)	inc. 5q-		1809 (65.7)	48.6 (44.6-54.3)	1.0 (0.8-1.3)	1
Intermediate	del(7q) +8 i(17q) +19 Any other Ind. clones	any other	-	529 (19.2)	26.0 (22.1-31.0)	1.6 (1.4-1.8) +	2
Poor	inv(3)/t(3q)/del(3q) -7	inc. -7/7q-	3 abn.	148 (5.4)	15.8 (12.0-18.0)	2.6 (2.0-3.3) +	3
Very poor	_		>3 abn.	187 (6.8)	5.9 (4.9-6.9)	4.2 (3.4-5.3) +	4

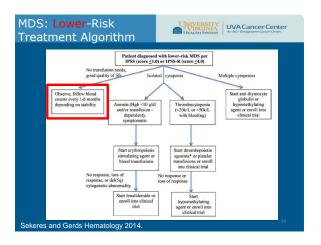


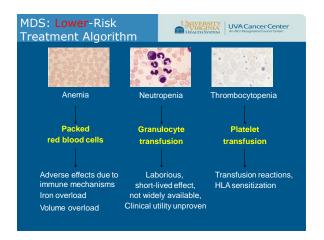


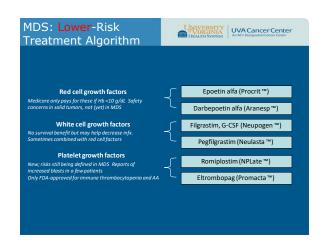


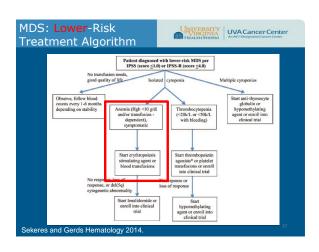


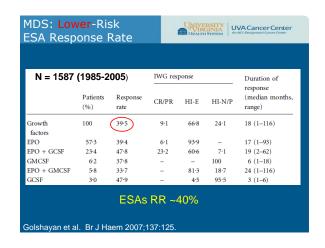


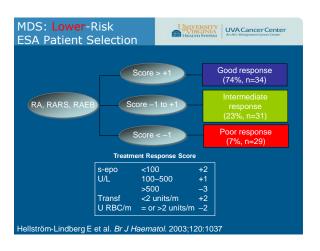


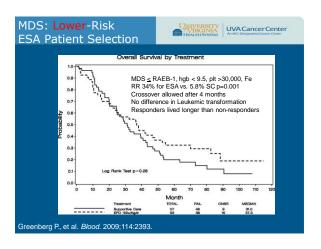


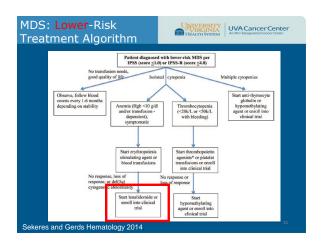


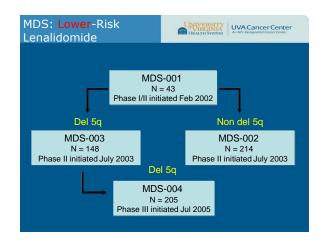


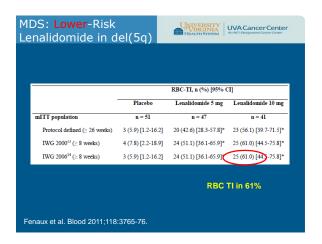


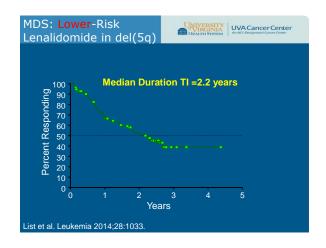


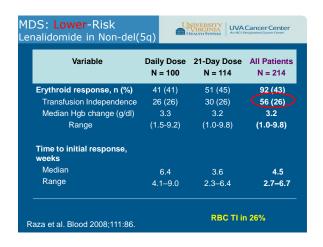


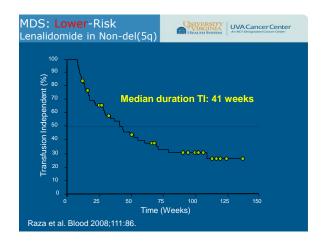


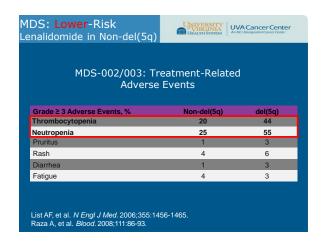




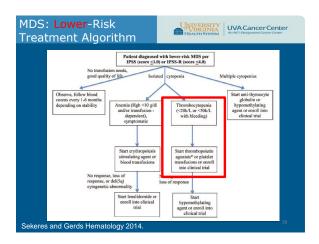


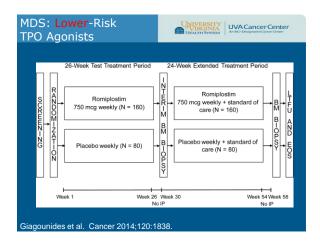


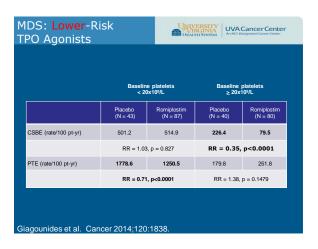


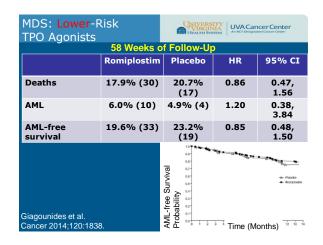


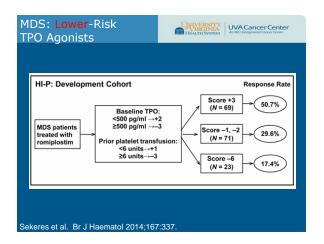


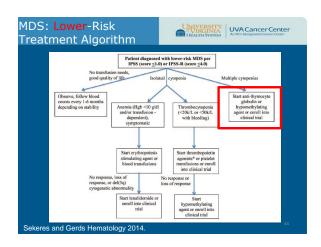




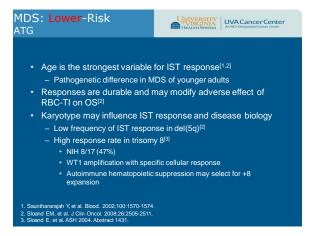


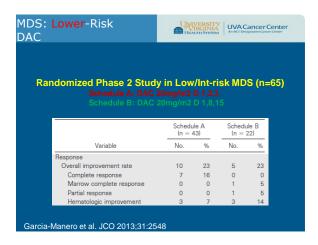


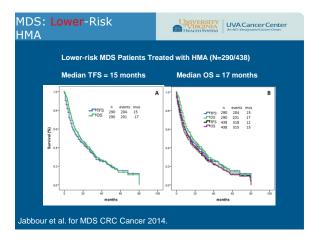


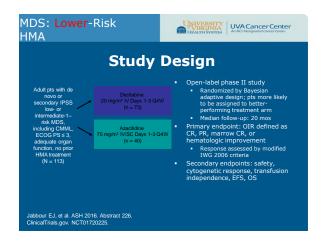


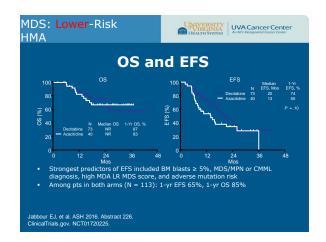




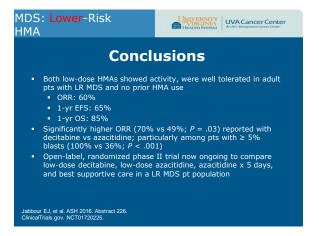


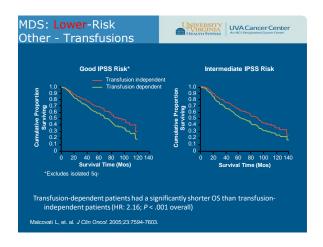


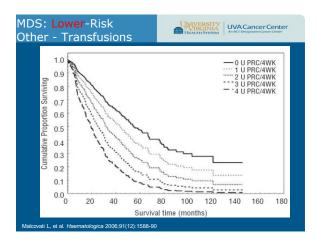


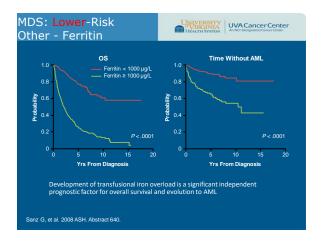


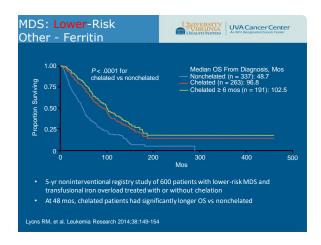


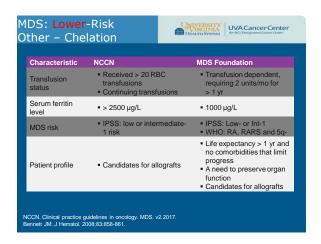


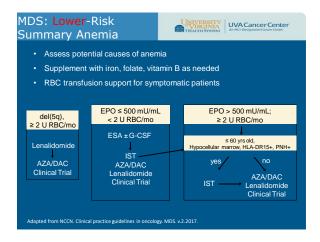




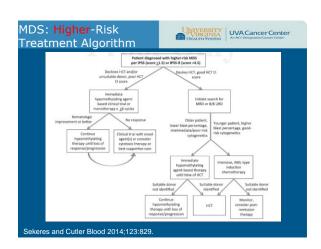


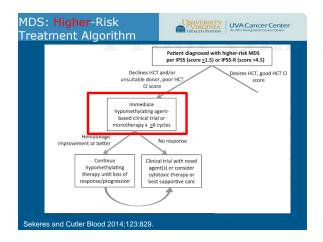


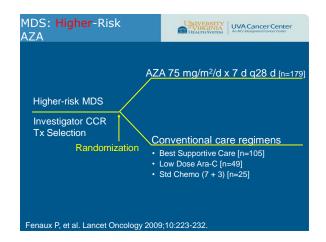


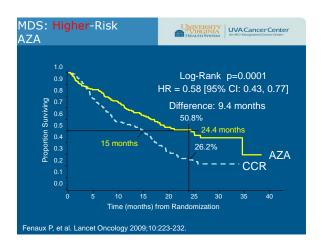


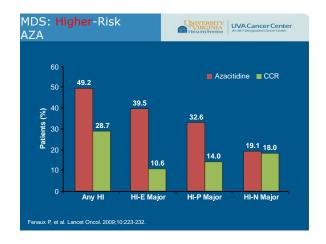






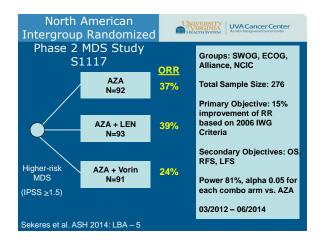






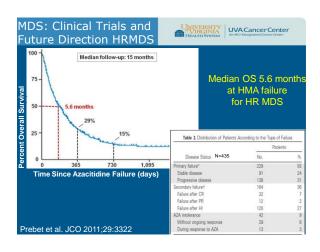


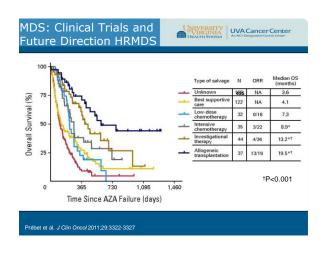




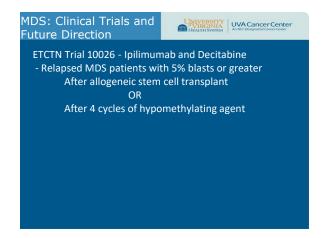


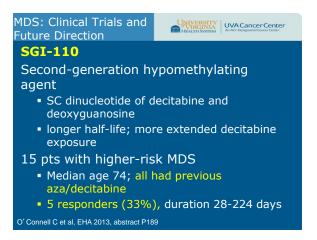












MDS: Clinical Trials and
Future Direction

SG-110 in MDS/CMML/AML after AZA failure

• GDAC 60 mg/m²/day Day 1-5 q 28 days

— Median 3 cycles

• N=56; 15 refractory and 41 relapsed

• 9 responded (16%)

— 1 CR, 2CRp, 5 marrow CR, 1 HI

• Median duration of response 9 months

• Median OS 6.7 mos

— 33 died: 14 progression,13 infection, 1 bleeding, 5 other

Sebert et al. ASH 2016 Abstract 347. Blood 2016;128:347

