



1. 離血管越遠，癌細胞含氧濃度越低
2. 腫瘤生長速度過快時，血管遠端之癌細胞便會產生缺氧，促成轉移

探討腫瘤缺氧造成轉移之分子機制：

1. Search for HIF-1 and TWIST downstream target genes
2. Molecular mechanism of epithelial-mesenchymal transition (EMT):
Epigenetic and post-translational regulations
3. The role of lncRNAs in EMT and metastasis

Recent papers:

1. Nature Cell Biology, 10, 295 (2008)
2. Molecular Cell, 43, 811-822 (2011)
3. Trends in Genetics, 28, 454-463 (2012)
4. Nature Communications, 5, 4697 (2014)