

Review Articles

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#### **New Biomarkers in Prostate Cancer**

E. David Crawford, Karen Ventii, and Neal D. Shore
In this article, we review recent advances in the discovery of prostate cancer biomarkers, their integration into clinical practice, and implications for improving clinical management of the disease.

# Treatment of Metastatic Pancreatic Adenocarcinoma: A Review

Ramya Thota, James M. Pauff, and Jordan D. Berlin

Gemcitabine monotherapy has been the standard of care for patients with metastatic pancreatic cancer for several decades. Despite recent advances in various chemotherapeutic regimens and in the development of targeted therapies, metastatic pancreatic cancer remains highly resistant to chemotherapy.



# Appropriate Management of Molecular Subtypes of Diffuse Large B-Cell Lymphoma

Kieron Dunleavy and Wyndham H. Wilson

The classification of diffuse large B-cell lymphoma into three distinct molecular diseases--germinal center B-cell-like subtype, an activated B-cell-

like subtype, and a primary mediastinal B-cell lymphoma subtype--has laid the foundation for the development of new agents and novel strategies that target individual subtypes.

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## <u>Updates on the Management of Breast Cancer Brain</u> Metastases

Elgene Lim and Nancy U. Lin

In this overview, we will review recent developments in the management of breast cancer brain metastases and current prospective trials of systemic

therapies specifically for patients with breast cancer brain metastases, with a focus on novel pathway-specific therapies.



## Heterogeneity and Cancer

Kimberly H. Allison and George W. Sledge, Jr

Cancer heterogeneity, long recognized as an important clinical determinant of patient outcomes, was poorly understood at a molecular level. Genomic studies have significantly improved our understanding of heterogeneity, and have pointed to ways in which heterogeneity might be understood and defeated for therapeutic effect.

