
Breast Cancer A Heterogeneous Disease Entity The Very Early Stages

heterogeneity in breast cancer - dm5migu4zj3pboudfront - breast cancer is a heterogeneous disease. there is a high degree of diversity between and within tumors as well as among cancer-bearing individuals, and all of these factors together determine the risk of disease progression and therapeutic resistance. advances in technologies such as whole-genome sequencing and functional viability **breast cancer, a heterogeneous disease entity - springer** - zszsanna kahán • tibor tot editors breast cancer, a heterogeneous disease entity the very early stages 1 3 **primary breast cancer cell culture yields intra-tumor ...** - breast cancer is a heterogeneous disease that still is the leading cause of cancer death among women worldwide [1]. depending on the molecular subtype the clinical out-come is different [2]. six molecular subtypes are com-monly used to determined the course of treatment: **molecular definition of breast tumor heterogeneity - cell** - breast cancer patients were more tumorigenic in nod/ scid mice than cd44 /cd24+ (subsequently referred to as cd24+) cells, and the resulting xenografts reproduced the heterogeneity of the original tumors, leading to the hypothesis that cd44+ cells are breast cancer stem cells (al-hajj et al., 2003). subsequent studies in breast and **breast cancer as heterogeneous disease: contributing ...** - support the theory that breast cancer is a heterogeneous disease [1-3]. in 1957, armitage and doll [4] demonstrated that the age-specific patterns of incidence of some solid cancers had linear slopes on a logarithmic scale. later, two peaks were identified in the slopes of several solid cancers, **breast cancer heterogeneity: mechanisms, proofs, and ...** - breast cancer heterogeneity. key words: breast cancer heterogeneity, mechanism, hypothesized model, clinical implication 1. breast cancer heterogeneity human breast cancer represents a group of highly heterogeneous lesions consisting of about 20 morphologically distinct subtypes [1-2] (table 1; fig 1). table 1. morphological classification of ... **dna methylation heterogeneity patterns in breast cancer ...** - breast cancer cell lines, we comparatively study four metrics: variance, i2 statistic, entropy, and methylation state. using the categorical metric methylation state, we select the two most heterogeneous states to identify genes that directly affect tumor suppressor genes and high- or moderate-risk breast cancer genes. **the positive predictive value of bi-rads ...** - the positive predictive value of bi-rads microcalcification descriptors and final assessment categories chris k. bent1 lawrence w. bassett1 carl j. d'orsi2 james w. sayre3 bent ck, bassett lw, d'orsi cj, sayre jw 1department of radiological sciences, david geffen school of medicine at the university of california, los **clinical management of breast cancer heterogeneity** - breast cancer is a heterogeneous group of diseases with different histological, prognostic and clinical aspects heterogeneous expression of the oestrogen, progesterone, and her2 receptors **mitochondrial flexibility of breast cancers: a growth ...** - "bulk" cancer cells represent a cell population that is characterised by a low tumorigenic potential [3]. however, one of the most impressive hallmarks of breast cancer cells is their metabolic plasticity [6]. in particular, in breast cancer cells, glycolysis is the main reservoir of energy: this process is called the warburg effect [7]. **a population of heterogeneous breast cancer patient ...** - a population of heterogeneous breast cancer patient-derived xenografts demonstrate broad activity of parp inhibitor in brca1/2 wild-type tumors kurt w. evans1, erkan yuca1, argun akcakanat1, stephen m. scott1, natalia paez arango2, xiaofeng zheng3, ken chen3, coya tapia1,4, emily tarco1, agda k. eterovic5, **breast cancer heterogeneity: mr - pubsna** - primary breast cancer. materials and methods: between january and august 2010, texture analysis of the entire primary breast tumor in 203 patients was performed with t2-weighted and contrast material-enhanced t1-weighted subtraction mr imaging for preoperative staging. histogram-based uniformity and entropy were calculated. **heterogeneity of phenotype in breast cancer cell lines** - 11 heterogeneity of phenotype in breast cancer cell lines bruce c. baguley and euphemia leung auckland cancer society research centre, university of auckland, new zealand 1. introduction breast cancer is a major challenge to current medicine; it is the disease with highest death **the impact of vitamin d in breast cancer: genomics ...** - because breast cancer is heterogeneous, ... vdr, breast cancer, genomics. introductiontobreastcancer. in the united states in 2013, breast cancer was estimated to account for 29% of new cancer cases and 14% of cancer deaths ... breast cancers are heterogeneous and that different subtypes

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