

EFRUZHU NORTH CYPRUS (TURKISH CYPRIOT) ®©
MOLECULAR AND CELLULAR & CLINICAL MEDICAL ONCOLOGY
PRINCIPLES/FORMULAE

SURVIVAL , METASTASIS , RECURRENCE , PROGNOSIS

$$X = \frac{\text{DIRECTLY PROPORTIONAL}}{\text{INVERSELY PROPORTIONAL}}$$

$$\text{ENERGY} = \frac{\text{HYPOMETHYLATION GENES EXPRESSION}}{\text{HYPERMETHYLATION GENES SILENCED}}$$

$$\text{ENERGY} = \frac{\text{MUTATIONS GENES EXPRESSION}}{\text{WILD ALLELES LOSS (LOSS OF HETEROZYGOSITY)}}$$

$$\text{APOPTOSIS (PROGRAMMED CELL DEATH)} = \frac{\text{ENERGY DEGREE}}{\text{MUTATIONS GENES DEGREE}}$$



$$\text{ANTINEOPLASTIC} - \text{ANTICANCER DRUG RESISTANCE} = \frac{\text{MUTATIONS GENES RECEPTORS RATE}}{\text{ENERGY RATE}}$$

$$\text{MALIGNITY DEGREE} = \frac{\text{MUTATIONS DEGREE}}{\text{ENERGY DEGREE}}$$

**CANCER THERAPY SURVIVAL DEGREE = APOPTOSIS + PHAGOSITOSIS + MULTIPLE OPPOSITES
BALANCED + MATURATION AT THE SAME TIME**

$$\text{MALIGN CANCER CELL} = \frac{\text{ANAEROBIC GLYCOLYSIS ENERGY RATE}}{\text{AEROBIC} + \text{TCA CYCLE ENERGY RATE}}$$

$$\text{BENIGN NEOPLASTIC CELL} = \frac{\text{AEROBIC GLYCOLYSIS} + \text{TCA CYCLE ENERGY RATE}}{\text{ANAEROBIC GLYCOLYSIS ENERGY RATE}}$$

RECURRENS RELAPS FORMULAE=

EFRUZHU MOLECULAR AND CELLULAR CARCINOGENESIS LAWS

**1.MUTATIONS GROUP IDENTITY 2.INADEQUATE ENERGY 3.CHRONIC INFLAMMATION 4.NORMAL
WILD DNA SUPPRESSION +GROWTH FACTORS +CYTOKINES +NF-Kb +HYPOOXYGENATION
+INADEQUATE NUTRITION.**

$$SURVIVAL\ RATE/OVERCOME = \frac{CHROMOSOMAL\ ABERRATIONS\ DEGREE}{WILD\ CHROMOSOMAL\ DEGREE}$$

OR

$$SURVIVAL\ RATE/DEGREE = \frac{MUTATIONS\ GENES\ DEGREE}{WILD\ \frac{GENES}{ALLELES}\ DEGREE}$$

$$APOPTOSIS = \frac{\frac{ENERGY}{WILD\ GENES\ ALLELES}\ DEGREE}{NF - kB\ DEGREE}$$

$$SURVIVAL\ RATE = \frac{DIPLOID\ RATE}{ANEUPLOID\ RATE}$$

$$MALIGNITY\ DEGREE = \frac{ANEUPLOID\ DEGREE}{DIPLOID\ DEGREE}$$

LOSS OF HETEROZYGOSITY SURVIVAL RATE DECREASING,NO LOSS WITHOUT HETEROZYGOSITY SURVIVAL RATE INCREASING

$$SURVIVAL RATE = \frac{EXISTANCE PHYSIOLOGIC BALANCED RATE}{LOST OF HOMEOSTATIC BALANCED RATE}$$

OR

$$SURVIVAL RATE = \frac{MOLECULAR GENETIC STABILITY RATE}{PATHOLOGICAL ABNORMALITY RATE}$$

HIGHER OF RECURRENCE PARALLEL OF METASTASIS,HIGHER RISK OF METASTASIS PARALLEL OF HIGHER MITOTIC COUNT / ACTIVITY ALSO RECURRENCE,CONTRARY LOW MITOTIC COUNT /ACTIVITY WITHOUT /NO PARALLEL THE POSSIBILITY OF METASTASIS. WILD ALLELIC LOSS AND MUTATIONS EQUAL WILD DNA GENETIC INSTABILITY , ABERRATIONS . GENETIC ABNORMALITY.

SURVIVAL OUTCOMES:

1.MALIGNITY DEGREE 2.MUTATIONS DEGREE 3.CHROMOSOMAL ABNORMALITY (ANEUPLOIDY/ABERRATIONS DEGREE) 4.ENERGY MAIN WAYS (AEROBIC/UNAEROBIC GLYCOLYSIS AND TCA/KREBS CYCLE DEGREE 5.HOMEOSTATIC BALANCED IMBALANCED OF ALL VITAL PARAMETERS DEGREE 6.NODAL INVOLMENT DEGREE 7.METASTASES 8.RECURRENCES 9.SPIRITUAL COGNITIVE DYNAMICS DISTURBANCES RATE

HOMEOSTATIC BALANCED DEPENDENCE OF MALIGNITY DEGREE THAT PARALLEL OF ACIDS DEGREE

METASTASIS DEPENDENCE:

OXYGEN RATE

NUTRITION RATE

HIGHER MITOTIC ACTIVITY RATE

WASTE PRODUCTS RATE

STABILITY-INSTABILITY CONDITIONS/DYNAMICS/FACTORS RATE