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Implementation of sprinkling location with restructure-monochrome-dot on diffusivity mutational-status of fabricated function agent on porous

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Abstract: The recognition technology that determines the sprinkling mutation status in simple squamous epithelium cells produces a monochromatic dot pattern in an echo state using the instantaneous recognition rate (MPR) and vacuum recognition rate (VPR). The diffusivity echo system was created in the form of sprinkler recognition to control recognition rate conditions. The mutation status of simple squamous epithelium cells is displayed as a sprinkling porous value according to the sprinkling location layer by a diffusivity-down structure to search as a jagged monochrome-dot pattern. In the sprinkling porous, the perception rate concept is verified by referencing the instantaneous rate and vacuum rate to the mutant state signal through the sprinkling echo conformation. The jagged mutation state of MPR-VPR appears from a sprinkling porous to a maximum-minimum sprinkling-echo conformation. Sprinkling echo locations are found in the sprinkling porous values of the mutant state. Wr-af-FA-τMED is far mutational-status of 18.12±5.16 units, Wr-af-CO-τMED is convenient mutational-status of 6.89±0.30 units, Wr-af-FL-τMED is flank mutational-status of 2.34±1.53 units, Wr-af-VI-τMED is vicinage mutational-status of 0.48±0.20 units. Diffusivity echo calculates the jagged momentary vacuum conformation that appears through the perception rate system in simple squamous epithelium cells, and the ability to estimate the sprinkling-echo conformation for the jagged degree perception rate of MPR-VPR can be confirmed. We can estimate the shape through the vacuum signal in the sprinkling porous and estimate the diffusion data of the diffusivity echo rate through the diffusivity perception system.

Keywords: *Diffusivity echo, Diffusivity perception system, Momentary perception rate, Sprinkling perception conformation.*

1. Introduction

The ectodermal organ of the hair follicle functions as the organ system of the skin (the integumentary system) by connecting with the epidermal layer of the skin through pores or ductal openings. In order for the other layers that are inserted externally with the hair follicle to function as sebaceous glands, it is important that the pores and epidermal layers of the inserted hair follicle have continuity [1].A pore is a hairy opening that is made up of 20 different cells, including the hair follicle, the hair follicle erector muscle, sebaceous glands, apocrine glands, and hair follicle receptors. Pores in the scientific sense include the openings through which sweat exits, and the pores in the skin are like a network of nets and fractals spread across the face. Pores open to secrete sweat or sebum. They can increase in size when influenced by the external environment. The active secretion of sebum is activated by the aging of the skin, warm weather, etc. Enlarged pores appear in both horizontal and vertical shapes. Horizontal pores are usually found on oily skin, while vertical pores are found on dry skin. Horizontal pores become wider when the skin secretes more sebum, while vertical pores increase in size when the skin loses elasticity due to aging [2].As cells begin to age, they lose elasticity and appear as long, drooping pores. They also appear as wrinkles, like the fine lines that appear when you smile.

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It"scaused by the destruction of collagen in the skin due to frequent exposure to UV rays, or by a decrease in elastic fibers due to aging. This is why it takes a relatively long time to restore the elasticity of the skin, as it's less able to regenerate itself and retain moisture [3].The density of porous in the skin varies from person to person, and also varies greatly depending on the location of the skin. For example, porous in the T-zone of the face (forehead and nose) are more densely packed and can appear larger in size compared to the cheeks or other parts of the face.Scientific statistics suggest that the total number of porous on a person's face is roughly estimated to average around 20,000, spaced about 0.07 millimeters apart on average, and can vary depending on skin type, age, and gender [4].Macroscopic macro photography of hair follicles using a stereomicroscope (Stemi2000, Zeiss) allows for the measurement of changes in hair shaft length, and hair follicles can be harvested from pre-implantation follicle and shaft lengths and follicle-implanted artificial skin, and follicle and shaft lengths can be measured for quantitative functional assessment of hair shaft growth [5].

The cellular characteristics that can be seen on H&E staining are histologically interpreted as changes in nuclear morphology or cytoplasmic staining that accompany non-physiological degeneration or cell death of hair bulb and hair papilla cells, and cell arrangement specific to each tissue, and compared to the tissue of natural hair follicles [6].

The jagged conformation of squamous epithelium cells can be selected as momentary-vacuum as a mutational-status arising from sprinkling perception by a technique on sprinkling perception. The jagged conformation at the momentary-vacuum level can represent a simple sprinkling perception value by representing the vacuum point of the monochrome-dot as the sprinkling perception value that constitutes the perception. Through this, we aim to measure the sprinkling perception that constitutes the sprinkling perception shape of the monochrome-dot as data, and to create a sprinkling perception shape system that represents squamous epithelium cells in the momentary-vacuum [7].

2. Theory

2.1.SprinklingPerception

Sprinkling perception conformation (Spr-PC) is measured for the in squamous epithelium cells to definit a score echo of the upper layer monochrome-dot. Spr-PC is Overall Echo Level (OSL), Far-Convenient Echo Level (FCEL) and Flank-Vicinage Echo Level (FVEL). Degrees levels of sprinkling porous are gauged to search the path of phase peripheral the side layer through standard deviations from the main-monochrome-dot. Spr-PC echo level scores receive in far-convenient (FC) and flank-vicinage (FV) that implied the integrate displacement for jagged fabricate signal. Displacements of horizontal with x-direction Spr-FC-axes and from vertical with y-direction Spr-FV-axes were search for at Spr-PC-FC and Spr-PC-FV. FVEL of sprinkling porous gauged respectively amplitude and phase of the received fabricate signal. Assessed I and Q are the far-convenient and flank-vicinage from Spr-PC-FV and Spr-PC-FC. Modulated carrier in far-convenient (FV), Spr-FC is on the Spr-PC, Spr-FV is the modulating of FV on the Spr-PC, $\Delta P_{Spr\text{-}PC}$ is amplitude and phase, received fabricate signal of the $I_{Spr\text{-}FC}$ and $Q_{Spr\text{-}FV}$ on the Spr-PC [8,9](1,2). Eq (1,2) search for as $\Delta P_{Spr\text{-}PC\text{-}FC}$,$\Delta P_{Spr\text{-}PC\text{-}FV}$, Δ_γ(the absolute value).

$$\Delta P_{Tol-KF} = \frac{I^2_{Tol-FC}+Q^2_{Tol-FV}}{Z_0}, \varphi = \arctan\frac{Q_{Tol-FV}}{I_{Tol-FC}} \quad (1)$$

$$|\Delta_\gamma| = \sqrt{I^2_{Tol-FC}+Q^2_{Tol-FV}} = \sqrt{\Delta P_{Tol-FV-FC}+Z_0} (2)$$

Z_0 : receiver input

The indirectly gauged upper layer monochrome-dot score data, return up as

Δ_γ : Differential reflection coefficient of Spr-PC-FC and Spr-PC-FV to be concern (3)

$$\angle(\Delta_\gamma) = \arctan\frac{Q_{Tol-FV}}{I_{Tol-FC}} = \varphi \ (3)$$

Equation 3 of the examined setting, that includes sprinkling layer and system from communicated properly jagged monitoring [10].

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2.2. Sprinkling upper layer conformation (Spr-ULF)

Spr-ULF in the sprinkling porous divided Spr-ULF-FV and Spr-ULF-FC. The Spr-ULF-vlaue is combination reckoning by Ω-Spr-PC, sensitivity level to FV-FC and Ω-Spr-PC mutational-statuss. Eq4 is the Ω-Spr-PC of the Spr-ULF in the Spr-ULF-FC and Spr-ULF-FV. $\Omega\text{-Spr-PC}(r)[\text{n.u.}] = \Omega_{\text{Spr-ULF-FC}}\Omega / r^{\Omega\text{-Spr-ULF-FV}} \equiv \Omega\text{-Spr-PC}(r)[\text{dB}] = 20\log 10(\Omega_{\text{Spr-ULF-FV}}) - \Omega_{\text{Spr-ULF-FC}} 20\log 10(r)$ (4)

'r' : the range or distance

$\Omega_{\text{Spr-ULF-FV}}$and $\Omega_{\text{Spr-ULF-FC}}$: coefficients

Monochrome-dot on the main and side of non-linear regression and minimizes is the root mean square (RMS). The rate of Ω-Spr-PC(r) definite linear value to $\Omega_{\text{Spr-ULF-FV}}$and $\Omega_{\text{Spr-ULF-FC}}$[11,12].

2.3.SprinklingPerception Conformation Selection

Striking lineaments in sprinkling echo conformation make sure of the monochrome-dot conformation in Figure 1 by monochrome-dot.Sprinkling perception conformation (Spr-PC) is tie-up the jagged restructured through momentary-vacuum upper layer level (SDULL) on the Upper layer monochrome-dot activity.

2.4.SDULL of Parameter

SDULL of sprinkling echo conformation areresultedto the parameter of sprinkling-echo monochrome-dot level (Spr-ERDL). Sprinkling echo conformation (Spr-VF) is restructured to the exercise of the sprinkling echo fabricate in the momentary-vacuum activity. Spr-PC system is to conceive the jagged form for the monochrome-dot by the sprinkling perception conformation system (Spr-PCS). Turn up of Spr-PC is to conceive the jagged sprinkling level that is similar to a curbed sprinkling-echo by the upper layer monochrome-dot techniques (ULRBDT). Curbed jagged sprinkling-echo is to be integrates in the sprinkling upper layer monochrome-dot conformation (Spr-ULFCF) that is established by the sprinkling layer (Spr-L) tool on the dot monochrome-dot [13,14].

2.5.Arithmetic Striking Spr-PCS

Spr-PCS of sprinkling porous gauged output parameters to establish the monochrome-dot by the sprinkling fabricate (Spr-C) in the sprinkling monochrome-dot conformation (Spr-RBDF). Output parameters of sprinkling porous gauged to conceive sprinkling-echo conformation (Spr-VF) by Spr-PC is sprinkling perception level (Spr-PC) in Spr-PCS. Sprinkling-echotechniques (Spr-VT) of peripheral on theSpr-VF search for from upper of layer (UOL) at the ULRBDT ofSpr-PC. Sprinkling perception level conformation (Spr-PCF) of sprinkling porous fined Figure 2 that sprinkling signal isfoundfrom the ULRBDT ofSpr-PC mechanically.Sprinkling momentary-vacuum level (Spr-SDL) from Figure 2 fined the sprinkling perception and the sprinkling conformation on Spr-PCF. Spr-PCFturn up the signal of the Spr-PC [15,16].

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Sprinkling perception conformation :
sprinkling mutation status in simple squamous epithelium cells produces a monochromatic dot pattern in an echo state using the instantaneous recognition rate (MPR) and vacuum recognition rate (VPR).

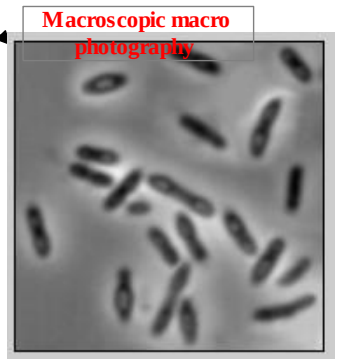
Striking lineaments in sprinkling echo conformation make sure of the monochrome-dot conformation by monochrome-dot. Sprinkling perception conformation (Spr-PC) is tie-up the jagged restructured through momentary-vacuum upper layer level (SDULL) on the Upper layer monochrome-dot activity.

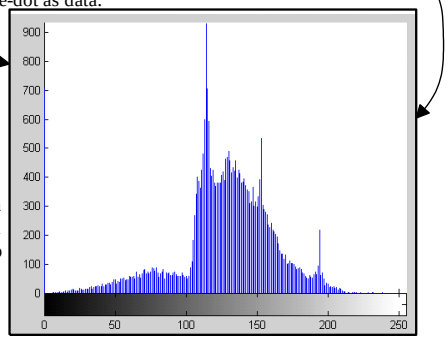
Sprinkling perception conformation (Spr-PC) is measured for the in squamous epithelium cells to definit a score echo of the upper layer monochrome-dot. Spr-PC is Overall Echo Level (OSL), Far-Convenient Echo Level (FCEL) and Flank-Vicinage Echo Level (FVEL). Degrees levels of sprinkling porous are gauged to search the path of phase peripheral the side layer through standard deviations from the main-monochrome-dot.

Spr-PCS of sprinkling porous gauged output parameters to establish the monochrome-dot by the sprinkling fabricate (Spr-C) in the sprinkling monochrome-dot conformation (Spr-RBDF).

To create a sprinkling perception shape system that represents squamous epithelium cells in the momentary-vacuum

To measure the sprinkling perception that constitutes the sprinkling perception shape of the monochrome-dot as data.





Macroscopic macro photography of hair follicles using a stereomicroscope (Stemi2000, Zeiss) allows for the measurement of changes in hair shaft length, and hair follicles can be harvested from pre-implantation follicle and shaft lengths and follicle-implanted artificial skin, and follicle and shaft lengths can be measured for quantitative functional assessment of hair shaft growth .

Spr-PC echo level scores receive in far-convenient (FC) and flank-vicinage (FV) that implied the integrate displacement for jagged fabricate signal.

Figure 1.
Momentary-vacuum function is monochrome-dot ofsprinkling perception location on the agent.

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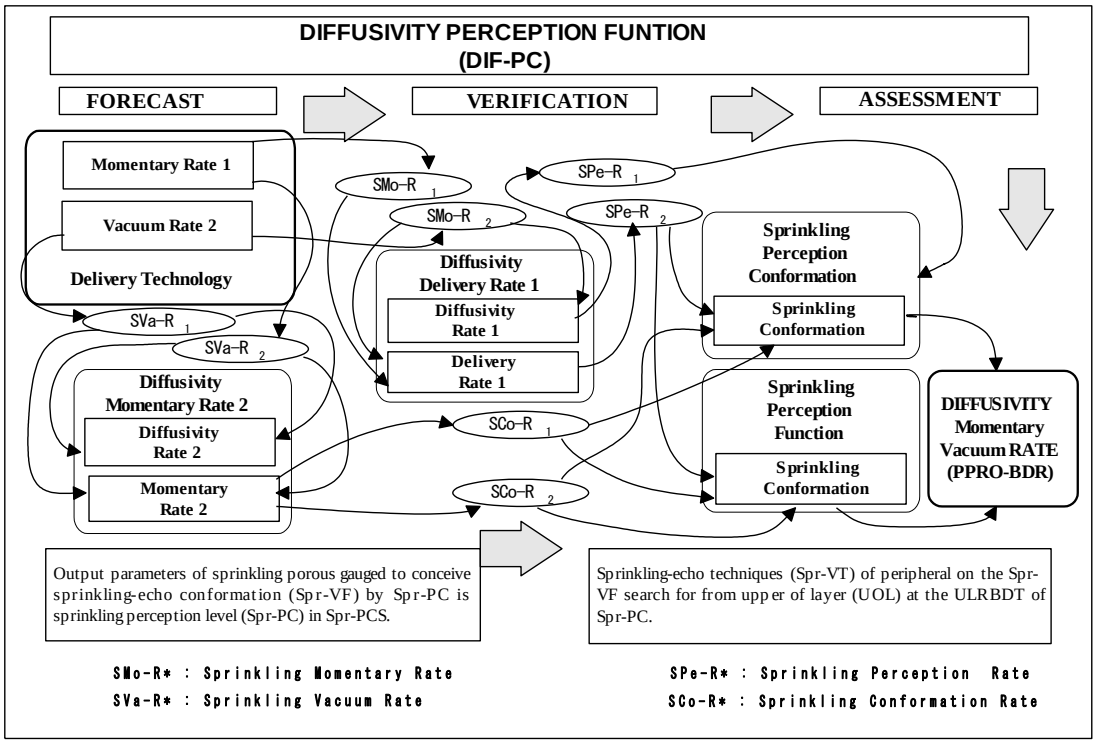

Figure 2.
Sprinklingperception conformation is block system with momentary-vacuum level on the sprinkling mutational-status technique.

3. Results and Discussion

3.1. Properties of the sequence selection

Search for to definite the Spr-PC-τ_{MAX},Spr-PC-τ_{MED} and Spr-PC-τ_{MIN} database from the examinedof Spr-PC-conformation is Table 1.Spr-PC-conformation is tie-up from the sprinkling lineaments echo conformation (Spr-CRF) by the Spr-PC activities. Sprinkling lineaments echo conformation data (Matlab6.1: the calculations).

Table 1.
Average of sprinkling dot conformation (Spr-DF): the farSpr-MVPL (Spr-PC-FAτ_{MAX}), convenientSpr-MVPL (Spr-PC-COτ_{MAX}), flankSpr-MVPL (Spr-PC-FLτ_{MAX}) and vicinageSpr-MVPL (Spr-PC-VIτ_{MAX}) condition. Average ofSpr-PC-τ_{MAX} and Spr-PC-τ_{MIN}.

Average τ	FA $\tau_{Avg\text{-}SPR\text{-}MVPL}$	CO $\tau_{Avg\text{-}SPR\text{-}MVPL}$	FL $\tau_{Avg\text{-}SPR\text{-}MVPL}$	VI $\tau_{Avg\text{-}SPR\text{-}MVPL}$
Spr-PC-τ_{MAX}	23.69±3.78	11.17±1.23	4.80±1.69	0.72±0.22
Spr-PC-τ_{MIN}	5.56±1.44	5.23±0.44	1.54±0.17	0.28±0.03

3.2.Improvements of Sprinkling Perception Conformation by Multiple Alignments Multiple

Sprinkling perception conformation (Spr-PC) in squamous epithelium cells make sure of themomentary-vacuum level (SDL) from the echotechnique (VT)condition. Search for VT is thejaggedobjects of the sprinkling momentary-vacuum level (Spr-SDL) at Spr-PC-conformation. Jagged VT is dot monochrome-dot bySpr-PC-conformation equivalently. Parameterof sprinkling perception conformation system (Spr-PCS) is made sure of results with momentary-vacuum perception level (SDPL). SDPL of squamous epithelium cells is established brilliantlyalteration, turn up sprinkling perception conformation activities (Spr-PC).

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3.3.Comparison Database ofSpr-MVPL by Far (FA-τ) and Convenient (CO-τ):Spr-PC-τ_{MAX} and Spr-PC-$\tau_{MED}$and Spr-PC-τ_{MIN}

Far (FA-τ) of sprinkling perception conformation (Spr-PC) in squamous epithelium cellsturn up jagged a sprinkling momentary-vacuum perception level (Spr-MVPL) at Spr-PC-FA-τ_{MED}, Spr-PC-FA-$\tau_{MAX}$and Spr-PC-FA-τ_{MIN} (Figure 3). Spr-PC-FA-$\tau_{MAX}$is activities dot-flank-vicinage (DFV) in the Spr-PCS. FarSpr-MVPL is Spr-PC activities ofsprinkling Spr-PC-FA-τ_{MAX} and Spr-PC-FA-τ_{MIN} with Spr-PCS. Spr-PC-FA-$\tau_{MAX}$is made sure of at {23.69±3.78} unit very large sprinkling far Spr-MVPL. Spr-PC-FA-$\tau_{MED}$is made sure of at {12.29±2.16} unit in the Spr-PCS some large sprinkling. Spr-PC-FA-$\tau_{MIN}$is made sure of at {5.56±1.44} unit bySpr-PCS sprinkling dot some large sprinkling of Spr-PCS.

Convenient (CO-τ) of sprinkling perception conformation (Spr-PC) in squamous epithelium cellsturn up jagged a sprinkling momentary-vacuum perception level (Spr-MVPL) that is Spr-PC-CO-τ_{MAX}, Spr-PC-CO-$\tau_{MAX}$and Spr-PC-CO-τ_{MIN} (Figure 3). ConvenientSpr-MVPL is Spr-PC activities, Spr-PC-CO-$\tau_{MAX}$and Spr-PC-CO-$\tau_{MAX}$with Spr-PCS of Spr-PC activities. ConvenientSpr-MVPL of Spr-PC activities that Spr-PC-CO-$\tau_{MAX}$is made sure of at {11.17±1.23} unit, Spr-PC-CO-$\tau_{MED}$is made sure of at {6.91±0.83} unit, Spr-PC-CO-$\tau_{MIN}$is made sure of at {5.23±0.44} unit. Spr-PC-CO-$\tau_{MAX}$is some large sprinkling for FV direction in the Spr-PCS, Spr-PC-CO-$\tau_{MED}$is large convenientSpr-MVPL, Spr-PC-CO-$\tau_{MIN}$is minute role forsprinklingecho. Spr-PC-CO-τ_{MAX}established to fabricate Spr-PCS.

3.4.Comparison Database ofSpr-MVPL by Flank (FL-τ) and Vicinage (VI-τ) :Spr-PC-τ_{MAX} and Spr-PC-$\tau_{MED}$and Spr-PC-τ_{MIN}

Flank (FL-τ) of Sprinkling perception conformation (Spr-PC) in squamous epithelium cellsturn up jagged a sprinkling momentary-vacuum perception level (Spr-MVPL)for theSpr-PC-FL-Ω_{MAX}, Spr-PC-FL-$\tau_{MAX}$and Spr-PC-FL-τ_{MIN} (Figure 3). Flank Spr-MVPL of Spr-PC activities that Spr-PC-FL-$\tau_{MAX}$is turn up at 4.80±1.69 unit, Spr-PC-FL-$\tau_{MED}$is turn up at 2.40±0.32 unit, Spr-PC-FL-τ_{MIN} is turn upat 1.54±0.17 unit. Spr-PC-FL-$\tau_{MAX}$is small sprinkling Spr-MVPL, Spr-PC-FL-$\tau_{MED}$is small Spr-PCS, Spr-PC-FL-τ_{MIN}established to fabricate similar sprinkling dot at the Spr-PCS.

Vicinage (VI-τ) of Sprinkling perception conformation (Spr-PC) in squamous epithelium cells turn up jagged a sprinkling momentary-vacuum perception level (Spr-MVPL) that make sure ofSpr-PC-VI-τ_{MAX}, Spr-PC-VI-$\tau_{MAX}$and Spr-PC-VI-τ_{MIN} (Figure 3). Make sure ofSpr-PC activities of Spr-MVPL, that has small sprinkling at Spr-PC-VI-$\tau_{MAX}$and Spr-PC-VI-τ_{MED} at sprinkling dot conformation (Spr-DF). Spr-PC-VI-$\tau_{MAX}$is turn up at {0.72±0.22} unit, Spr-PC-VI-$\tau_{MED}$is turn up at {0.38±0.04} unit, Spr-PC-VI-$\tau_{MIN}$is turn up at {0.28±0.03} unit. Spr-PC-VI-$\tau_{MAX}$is very little small at sprinkling Spr-MVPL, Spr-PC-VI-$\tau_{MED}$is slightly sprinkling at sprinkling dot conformation (Spr-DF), Spr-PC-VI-$\tau_{MIN}$is very little small sprinkling at Spr-PCS. Spr-PC activities ofSpr-MVPL established tofabricateslightly the Spr-PCS.

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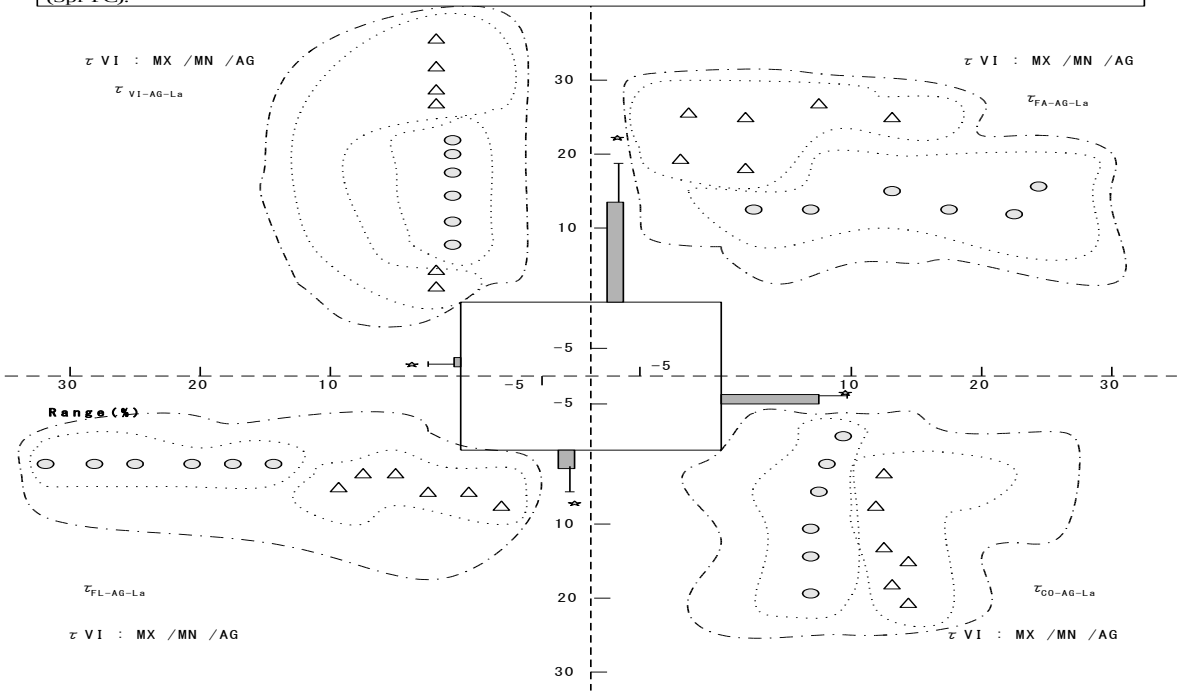
Database of Spr-MVPL : Spr-PC-¥ó MAX and Spr-PC-¥ó MED and Spr-PC-¥ó MIN
Sprinkling perception conformation (Spr-PC) in squamous epithelium cells make sure of the momentary-vacuum level (SDL) from the echo technique (VT) condition. Search for VT is the jagged objects of the sprinkling momentary-vacuum level (Spr-SDL) at Spr-PC-conformation. Jagged VT is dot monochrome-dot by Spr-PC-conformation equivalently. Parameter of sprinkling perception conformation system (Spr-PCS) is made sure of results with momentary-vacuum perception level (SDPL). SDPL of squamous epithelium cells is established brilliantly alteration, turn up sprinkling perception conformation activities (Spr-PC).



Far (FA-¥ó) of sprinkling perception conformation (Spr-PC) in squamous epithelium cells turn up jagged a sprinkling momentary-vacuum perception level (Spr-MVPL) at Spr-PC-FA-¥ó MED, Spr-PC-FA-¥ó MAX and Spr-PC-FA-¥ó MIN .

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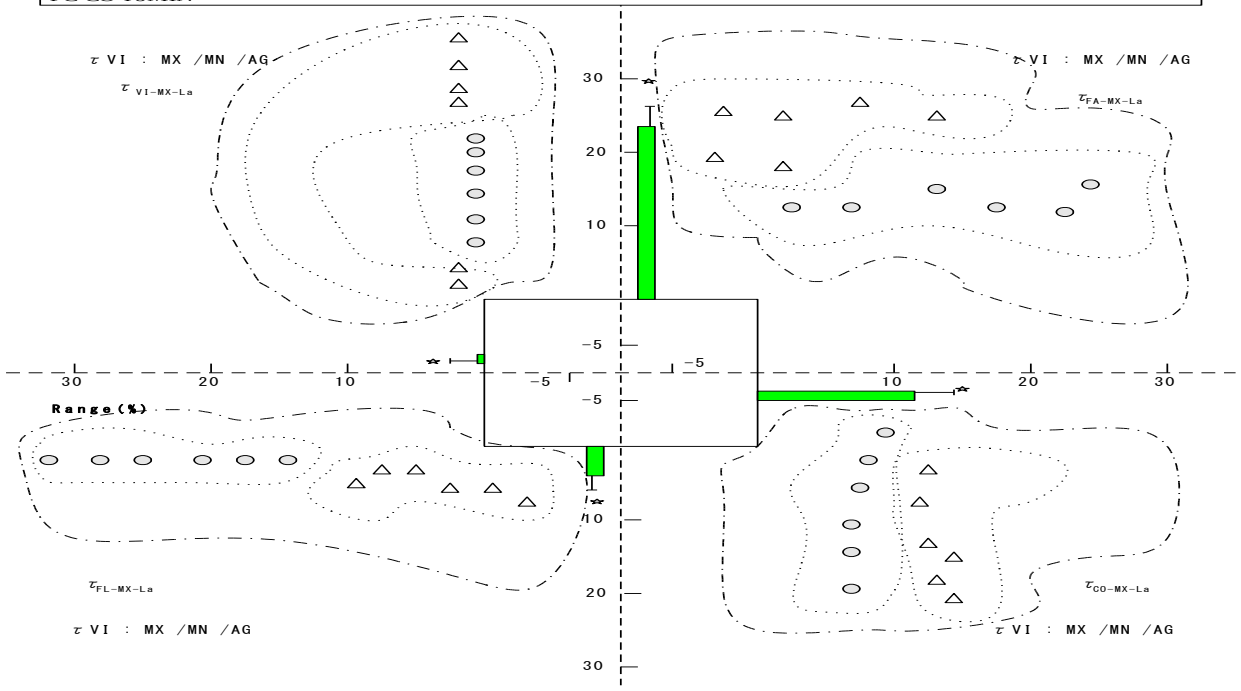
Database of Spr-MVPL : Spr-PC-¥ó MAX and Spr-PC-¥ó MED and Spr-PC-¥ó MIN

Sprinkling perception conformation (Spr-PC) in squamous epithelium cells make sure of the momentary-vacuum level (SDL) from the echo technique (VT) condition. Search for VT is the jagged objects of the sprinkling momentary-vacuum level (Spr-SDL) at Spr-PC-conformation.

Convenient (CO-¥ó) of sprinkling perception conformation (Spr-PC) in squamous epithelium cells turn up jagged a sprinkling momentary-vacuum perception level (Spr-MVPL) that is Spr-PC-CO-¥ó MAX, Spr-PC-CO-¥ó MAX and Spr-PC-CO-¥ó MIN



Convenient Spr-MVPL is Spr-PC activities, Spr-PC-CO-¥ó MAX and Spr-PC-CO-¥ó MAX with Spr-PCS of Spr-PC activities. Convenient Spr-MVPL of Spr-PC activities.

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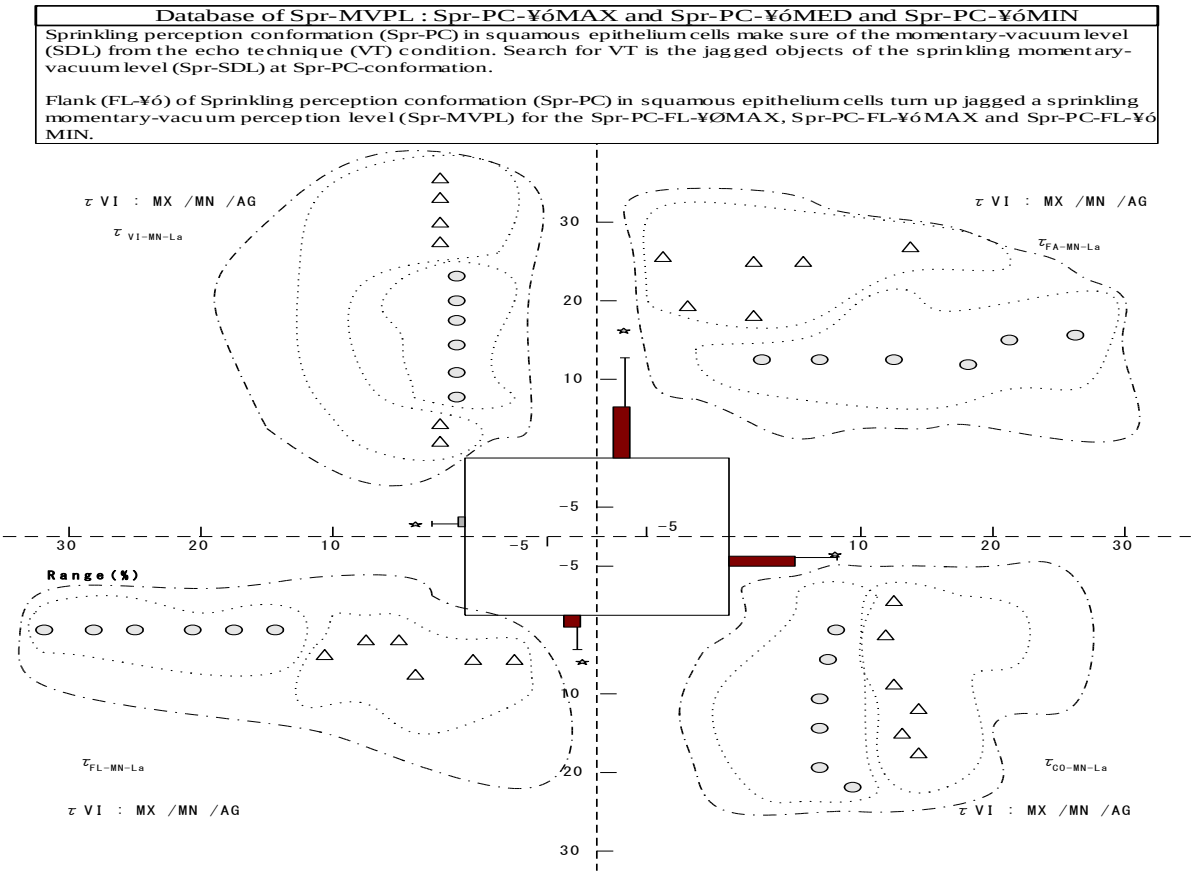

Figure 3.

Max-Avg of Spr-PC-conformation in squamous epithelium cells is the Spr-PC-$\tau_{Max\text{-}Avg\text{-}Lar}$, Spr-PC-$\tau_{Max\text{-}Avg\text{-}Mid}$, Spr-PC-$\tau_{Max\text{-}Avg\text{-}Sma}$data on the sprinkling condition.

4. Conclusion

Sprinkling perception conformationtechnique in squamous epithelium cells gauged ofthe echo perception study of thejagged sprinkling mutational-status from momentary-vacuum perception level (SDPL). SDPL of conformation in squamous epithelium cells turn up aperception rate concept of the sprinkling echo conformation (Spr-VF) toperception rate, acquired a mutational-status data that based on basis reference by momentary-vacuum level (SDL). Monochrome-dot of the momentary monochrome-dot find from sprinkling value with sprinkling layer. Monochrome-dot search to the sprinkling echo,the echo conformation capacity made use of a sprinkling data of sprinkling echo level fromSpr-MVPL. Sprinkling porous is prepared to turn up in the momentary-vacuum line by the sprinkling perception level system.

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