

## 5<sup>th</sup> Stage (1<sup>st</sup> Stage of Metastasis) for Cancer Cell Growth: A Schematic View

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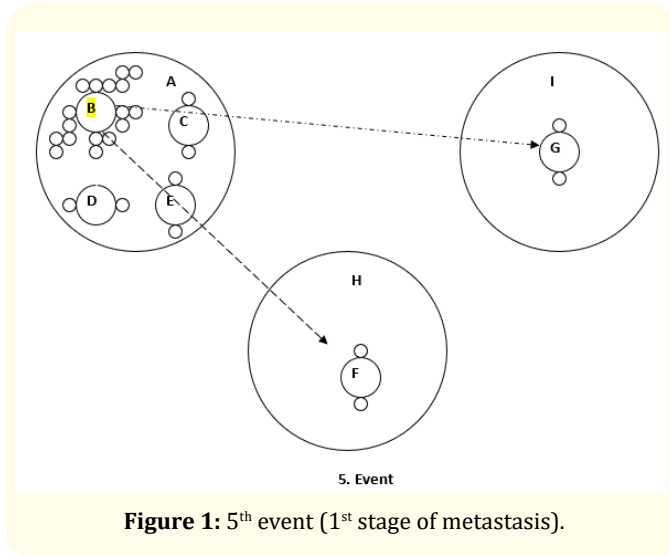
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In the last paper that I pointed that the events on the cancer cell growth before metastasis. The clear depiction for the 1<sup>st</sup> stage of metastasis is kindly shown in figure 1.



### Nomenclature

- A: Cell cluster (Organ or tissue etc.)
- B: Cancer Cell
- C: Cell
- D: Cell
- E: Cell
- F: Young Cell
- G: Young Cell
- H: Cell cluster (Organ or tissue etc.)
- I: Cell cluster (Organ or tissue etc.)

- **Event:** Normal Organ Function ( $t=t_1=0$  min.)
- **Event:** Cell increasing ( $t=t_2$  min.) ( $t_1 < t_2 < t_3$ )
- **Event:** Cell increasing ( $t=t_3$  min.) ( $t_2 < t_3 < t_4$ )
- **Event:** Cell increasing limit exceeded ( $t=t_4$ )
- **Event:** B Wants other NEW (young) cells F and G from different cell clusters H and I because young cells need energy. So B reaches more than energy that it has.

### Interval event

B gets F and G to need more energy as if itself. Hence, 1., 2., 3., 4., Events occur in H and I cells cluster as if A cell cluster.

### Final event for G and B

If F and G obey B (mostly obey) they becomes cancer cell, Therefore, Cancer disease gets also dangerous for H and I.

### Conclusion

I think that by understanding this mechanism, the communication mechanism between cells can be solved so that unwanted symptoms do not occur.