

# Cancer; Chronic High ESR Caused by Entamoeba Histolytica (Protozoa) Leads to Mutagenic Changes for Malignant Neoplasm

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## ABSTRACT

Cancer is mutagenic inflammatory infectious disease caused by chronic high ESR ( $\geq 70$ mm/hr) because of Entamoeba histolytica infection from GI Tract to bone marrow leads to abnormal and uncontrolled growth of any part of body.

If exacerbated by extrinsic factor like chewing tobacco/smoking cigarette, causing oral squamous cell carcinoma or lung carcinoma at chronic ESR  $\approx 40$ -60mm/hr, untreated chronic high ESR over a longer period of time ( $\geq 2$  yrs) leads to formation of precursor lesion (highly inflamed, potentially oncogenic) can be defined as localized morphological changes that are associated with high risk mutagenic changes leads to malignant neoplasm.

Higher the value of chronic ESR more will be the probability for mutagenicity, finally carcinogenesis.

**Keywords:** Cancer; Entamoeba Histolytica; Chronic High ESR; Neoplasm; Malignant

## DESCRIPTION

It is natural phenomena as the temperature increases in the environment glacier start melting, forest catches fire, eruption of volcano due to hot molten rocks in a same manner in human beings with the rise of temperature<sup>1</sup> because of elevated chronic ESR, scarring/fibrosis of soft tissues<sup>2,3,4</sup> (remodulation of airways) hyperplasia (BPH)<sup>6</sup> and mutagenic changes<sup>5</sup> occurs in living organisms remarkably .

Cancer is causing very serious problem to all categories of peoples in the world, every time starts with same type of costly investigation, treatment and painful procedures hence people start asking to medical world “when there will be cure for this scourge?”<sup>7</sup> Answer to the question simply comes but not acceptable “Cancer is ubiquitous in human populations; the only certain way to avoid cancer is to not be born, as live is to incur risk”<sup>8</sup>. Such answer not only depress suffer but also the doctors treating day and night.

Since beginning of medical records, concept has changed continuously for the purview of cancer but still pathophysiology of cancer is not culminated hence high painful fatality.

Various theories associated with cancer do not elucidate exact etiology hence made so many conjectures based on genetics and environmental factors.<sup>9</sup>

It is now well establish in various researches throughout the world that tumour/neoplasm is originally applied to the swelling caused by inflammation.<sup>10</sup> It is quoted in the text that “ chronic inflammatory disorder and precursor lesion span a diverse set of condition that are all associated with increased cellular replication which appears to create fertile

soil for the development of malignant tumor”.

So many conjectures /speculations are made for the formation of malignant neoplasm<sup>11,12</sup>, it is very crucial to elucidate the exact etiology of inflammation that is causing formation of malignant neoplasm. We cannot underrate any malignancy nor become panic without any interpretation, we cannot also proceed ahead usually with carrying concept of occult disease /disorder. Etiology and manifestation is very much required for the prognosis of neoplasm and what are the predisposing factors or underlying causes that normal cells become malignant and cells abruptly start multiplying and overwhelming in shorter span of time.

Formation of neoplasm occurs after the exposure of soft tissue, visceral organs, lymph nodes etc to the higher chronic ESR ( $\geq 75$ mm/hr)<sup>13</sup> i.e. ESR beyond tolerability and start protruding abruptly because of mutagenic changes. Higher the value of chronic ESR for longer duration more will be the aggressiveness of malignancy.<sup>14</sup>

Elevated ESR is diagnose in cancer patients after first reporting to the related hospital<sup>15</sup>, it is neither followed nor patient complaints of elevated ESR (lack of awareness) before any major serious problem, hence it is mainly written in the texts that in co-morbidity or in cancer very high ESR is diagnosed of unknown origin. Very high Chronic ESR is always speculated as autoimmune disorders<sup>16</sup>, we can foresee the future aspects of chronic diseases as well as cancer just by knowing the value of chronic ESR at baseline.

It is seen in retrospective cohort study that every cancer patient is suffering from very high chronic ESR<sup>17,18</sup> approx range  $\geq 75$  mm/hr except oral squamous cell carcinoma<sup>19</sup> / lung carcinoma<sup>20</sup> exacerbating by chewing tobacco and smoking cigarette and breast carcinoma<sup>21</sup> in young girls with poor diet (low fire diet ) ESR range slightly or comparatively less i.e. 35-60mm/hr approximately simultaneously infected chronically by ENTAMOEBA HISTOLYTICA (protozoa).<sup>22,23</sup>

Careful monitoring and treating Entamoeba histolytica in cancer patients with I.V Metronidazole /Tinidazole  $\pm$  quinolone leads to reduction of chronic elevated ESR, this causes reduction of severity of cancer in terms of reduction

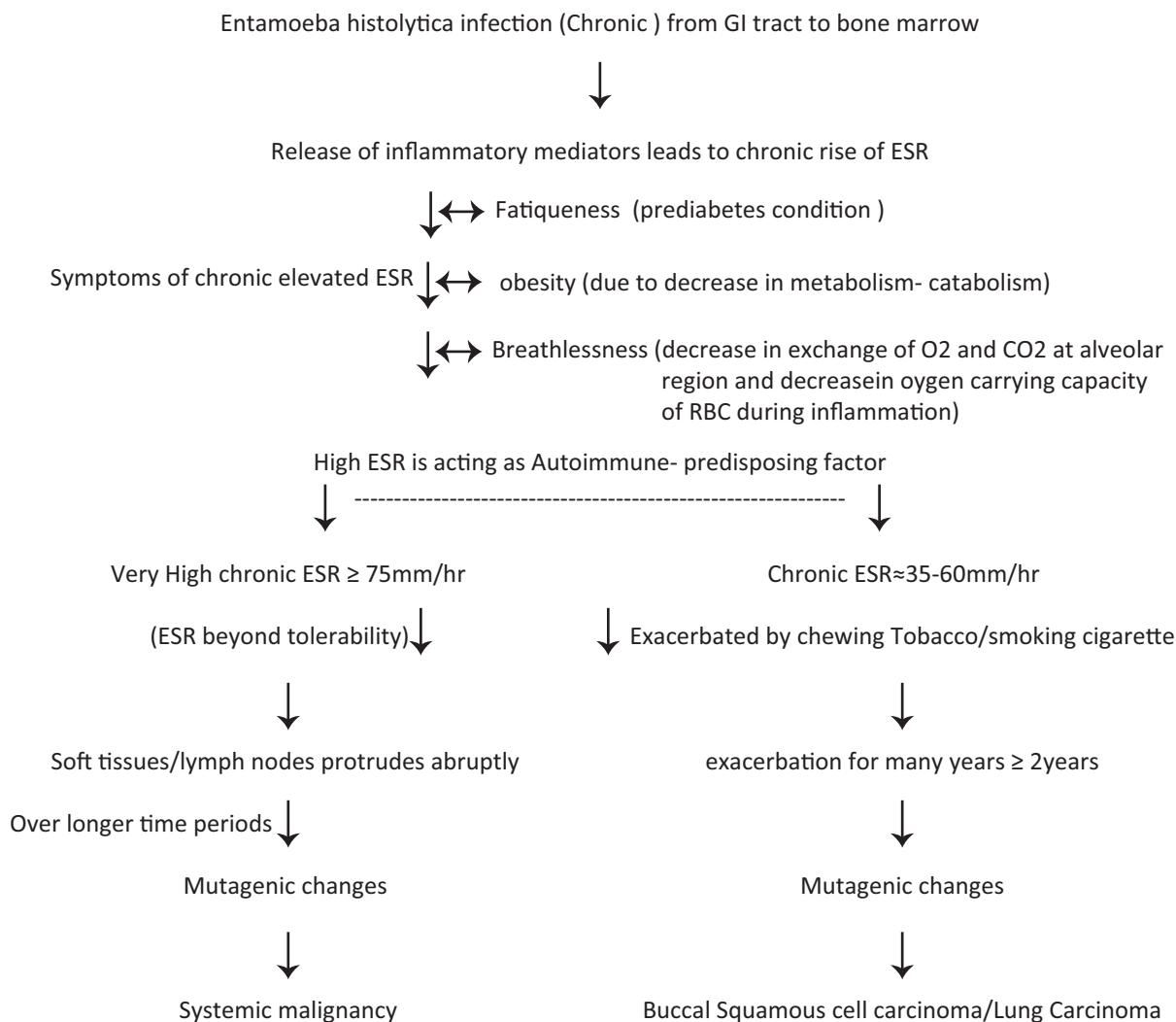
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### MOA of Cancer



of proliferation of mutagenic cells. Treatment should continue till chronic ESR comes down to  $\leq 15$  mm/hr, it is very important to keep close watch on the value of chronic ESR at least for six month to two years approximately. Cost of investigation of ESR is very economical hence reduce economical burdens.

As the value of chronic ESR reduces, severity of cancer of any stage or grade gives positive signs & symptoms in terms of improvement irrespective of illness.

In case of rapid carcinomas<sup>24</sup> i.e. cancer with chronic ESR  $\geq 100$ mm/hr, appropriate chemotherapy should be given immediately with i.v metronidazole/Tinidazole  $\pm$  quinolone ; reduction of chronic ESR simultaneously improves in reduction of deterioration of condition and helps in faster recovery.

Treating ENTAMOEBA HISTOLYTICA leads to reduction of inflammatory mediators reflects in terms of reduction of chronic ESR results into improvement of all the parameters of carcinogenesis.

It is very important to notice that ESR reported by various pathologies is very controversial, in the same manner more than 95% of pathologies give negative reports to Entamoeba

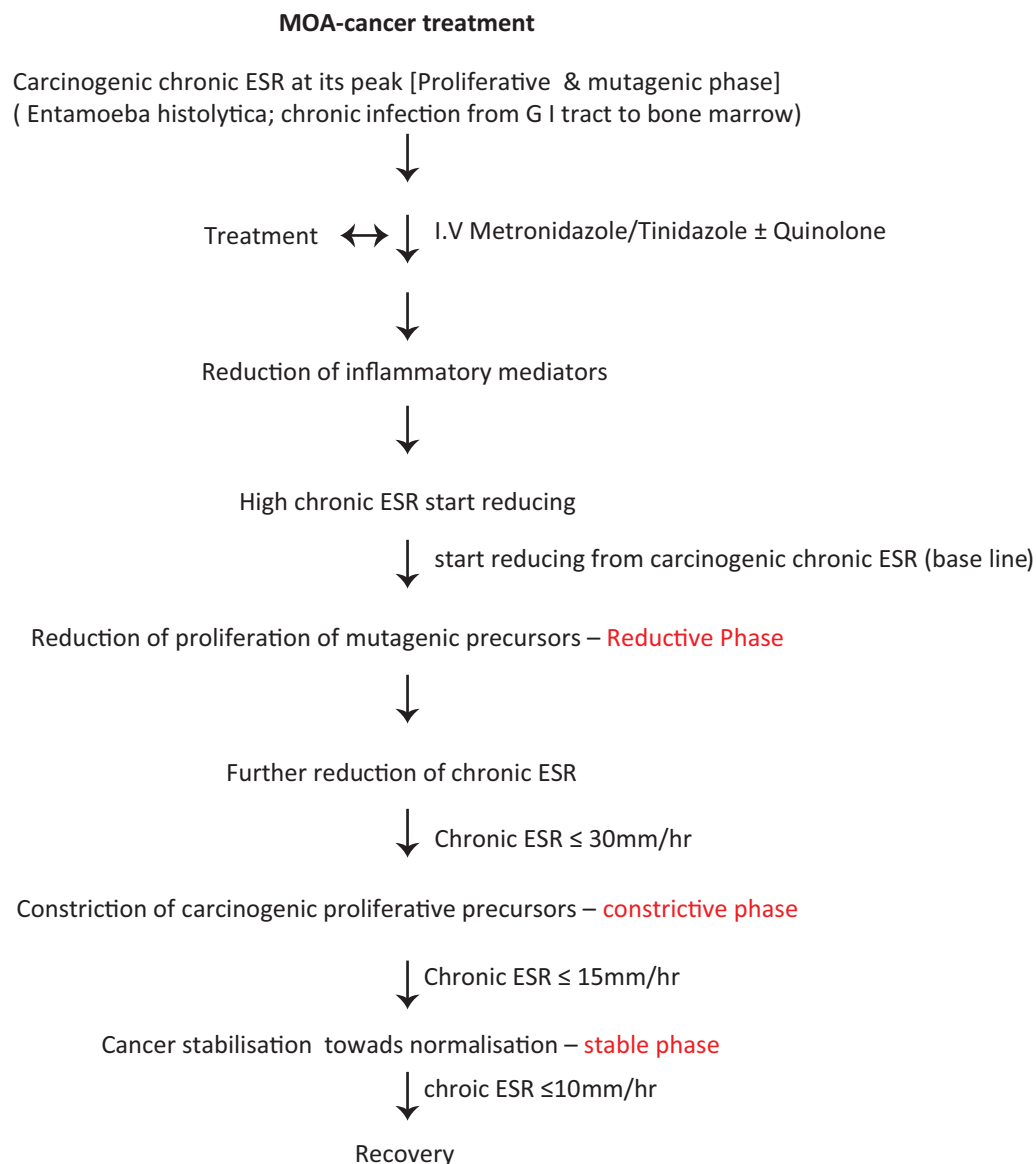
histolytica in stool examination hence proper selection of pathologies plays crucial role in diagnosis for better prognosis.

### CONCLUSION

Reduction of Elevated chronic ESR with I.V Metronidazole / Tinidazole  $\pm$  Quinolone leads to improvement of all the parameters of cancer of any stage or grade.

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Note - Monitoring of reduction of chronic ESR with treatment on SOS basis till chronic ESR come down to ≤ 10mm/hr.

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