

Further Analysis on Cancer Solutions and Cancer Patient Treatment at Home

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Abstract

Warrington (2016) pointed that Information is commonly provided by the health care team on expected and possible side effects, and patients are advised to seek help if symptoms become a cause for concern. However, patients may not always be able to fully absorb this information at the time it is or feel confident in making decisions on when additional hospital contact is necessary between routine clinical reviews. Our study shows that Environmental pollution, Ion radiation, ultraviolet rays and Bacterial and viral infections: can be causes of cancer, and then Home care service for cancer patients may be effective for them.

Keywords: Cancer Patient, Chemotherapy, Treatment at Home, Hospitals.

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INTRODUCTION

Cancer is a malignant disease found in the cells of the body, according to a natural physiology, when old cells die, new cells will be born to replace old cells. However, in some cases these cells will grow abnormally, they will not die like other cells, they will multiply into tumors.

Since 2018, Viet nam hospitals such as Tam Anh hospital, Vinmec hospital...and esp/, Bai Chay Hospital, with a large Oncology Center of Quang Ninh province and a team of high-quality doctors have been constantly learning and applying modern and high-tech surgery in the treatment of cancer diseases, especially gastrointestinal cancer such as endoscopic surgery, surgery to remove cancer of colon,

stomach, rectum, surgery to remove pancreatic duodenal block, pancreatic tumor...

Hence authors conduct this study “**Further Analysis on Cancer Solutions and Cancer Patient Treatment at Home**”.

Research Questions

Question 1: Present previous relevant studies?

Question 2: What are different treatment solutions and treatment at home for cancer patients?

Next we analyze related studies in below table:

Table 1: Summary of previous studies

Authors	Year	Content, results
Shapira et al	2011	Although chemotherapy has reduced morbidity and mortality, virtually all chemotherapeutic agents damage healthy cells, especially rapidly dividing and growing cells. ¹² Drug resistance, a major problem with chemotherapy, is a phenomenon wherein cancer cells that initially were suppressed by an anti-cancer drug develop resistance to the drug. This is caused primarily by reduced drug uptake and increased drug efflux.
Mondal et al	2014	Limitations of conventional chemotherapeutic modality, such as dosage selection difficulty, lack of specificity, rapid drug metabolism, and mainly harmful side effects.
Cinar et al	2020	Recent society guidelines now suggest several strategies for decreasing the frequency of cancer therapy infusions.
Warrington et al	2019	Electronic systems have the potential to help patients manage side effects of cancer treatment, with some evidence to suggest a positive effect on patient-centered outcomes. However, comparison across studies is difficult due to the wide range of assessment tools used. There is a need to develop guidelines for assessing and reporting engagement with systems, and a set of core outcomes for evaluation. We hope that this review will contribute to the field by introducing a taxonomy for

	characterizing system features.
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(Source: author synthesis)

Then, DTN Huy (2012) paid attention to risk management in such activities and confirmed by (PM Dat et al, 2020; TTH Ha et al, 2019).

SUBJECT AND METHODOLOGY

Place, time, research object and design.

- Study Design: A cross-sectional descriptive study.
- Research subjects: Patients diagnosed with liver cancer are being treated at Cancer Center – Bai Chay Hospital - Quang Ninh province.
- Research period: from June 2019 to May 2020.

RESEARCH RESULTS

1. Different Cancer Solutions

Chemotherapy is one of the main cancer treatments today, besides other methods such as surgery, radiation therapy, targeted therapy, etc. Cancer chemotherapy will use drugs to destroy cells, cancer cells, preventing them from growing, dividing, and invading other organs in the body.

This treatment has the following main roles:

Helps stop or slow the growth, division and spread of cancer cells inside the body;

Direct impact on cancer cells causes these tumors to reduce in size and stage to create favorable conditions for cancer patients to start the next steps of treatment such as surgery or radiation therapy;

Cancer chemotherapy also has certain advantages and disadvantages, namely:

Advantages

Chemotherapy has the role of killing, slowing down the growth of the tumor, preventing the tumor from dividing and spreading in the body; while helping to reduce the symptoms of compression and invasion in patients.

Disadvantages

Besides advantages, chemotherapy also has the drawback of causing many side effects, which can be mild or severe. Because when entering the body, chemotherapy drugs will kill cancer cells but also affect normal healthy cells.

(Source: tamanhhospital.vn)

Next, Subjects at high risk of colon cancer

Age: In fact, the older you get, the higher your risk of colon cancer.

Obesity: People who are obese have a higher risk of colon cancer and a higher mortality rate than people of normal weight.

If you have a family member with colon cancer, your risk of getting this disease will increase, because cancer is inherited with a 3-5% rate. Or maybe by relapse because you have had this disease before.

Unscientific lifestyle

- Eat a lot of fermented salted foods such as pickles, salted eggplant, salted figs, kimchi.
- Eat a lot of red meat such as buffalo, cow, goat, sheep.
- Eat a lot of fast food such as hot dogs, hamburgers, processed meats.

Drink a lot of sugary drinks such as soda, cocacola, sting...

- Smoking and drinking alcohol.

Treatments - Surgical method

This method has a major role in the radical treatment of colon cancer. There is a high rate of recurrence because surgery cannot remove all the micro-metastatic cells. Radical surgery includes traditional methods (opening the abdomen or in the pelvis to remove the cancerous rectum) and laparoscopic methods.

Chemotherapy

The most common way of chemotherapy is intravenous injection. This method is used to indicate the most effective surgical support for malignant tumors inside the colon. Chemotherapy before surgery will help shrink the tumor and make it easier to remove during surgery. After surgery, chemotherapy will kill any remaining cancer cells during surgery. Thereby reducing the risk of recurrence.

Radiotherapy

This is a method that uses high-energy X-rays to destroy cancer cells. Radiation therapy can be used before and after surgery. There are two common types of radiation therapy: external radiation therapy and stereotactic radiotherapy.

(Source: hongngochospital.vn)

2. Cancer patient treatment at home

Up to now, Caring for cancer patients at home – Cancer treatment at home is often better than in a hospital or clinic. Tablets, parenteral nutrition, intravenous antibiotics, subcutaneous (Sub-Q), intramuscular (IM) injections, and several other treatments can all be done at home. Fig 1 – Quang Ninh invested Modern equipment for medical.

Taking prescription medications and monitoring for side effects is important. A home nurse or infusion nurse may come to the home to give the patient medication. Or they will teach the patient and caregiver how to perform home

remedies.

In some cases, home treatment is not possible due to some health insurance related issues. However, some people who are unable to get to the hospital or clinic regularly can get some treatments at home.

What can carers of cancer patients do when patients are treated at home?

Learn how to give the patient medication in case the patient is unable to do so.

- If you give an injection to a sick person, be careful with the injection. Place the used needle container by your side before you begin. Discard the needle and syringe immediately when finished. Do not recap the needle before throwing it away.

(Source: <https://pkgdviutuc.com/>)



Fig. 1: Cancer treatment

(Source: internet)

Last but not least, Hung, N.T et al (2022) showed the quality of life of patients at levels of no effect, little influence, much influence and great influence all accounted for 25%.

CONCLUSION

Busy work makes it more difficult to prepare a meal full of healthy foods, people often take advantage of fast foods, processed foods, and processed foodsf ... this is a food group that is loved by many people, we are sure that everyone knows this is a food group that will more or less affect the digestive system, but they are still indifferent and disregard health.

+ Environmental pollution, Ion radiation, ultraviolet rays and Bacterial and viral infections: can be causes of cancer And On the other hand, Home care service for cancer can be use as effective method and service for patients.



Fig 2: Doctors discuss in common way of chemotherapy (Source: tamanhhospital.vn)

RESEARCH LIMITATION

Authors can expand study for women cancer treatment solutions.

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CONFLICTS OF INTEREST

There is no conflict of interest.

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