INTRODUCTION

At least one in ten men who receive radiation therapy for prostate cancer suffers from rectal bleeding, which can occur months after treatment. Although it is not life-threatening, rectal bleeding is painful, uncomfortable, and inconvenient.[1] Rectal bleeding after radiotherapy, which is not entirely dose-related and depends on a complex interaction of physical, patient-related, treatment, and genetic factors, has...
been reported to occur in 29–51% of patients. While it is a significantly less-frequent complication of pelvic irradiation than diarrhea, it is the second most common reason for referral to a gastroenterologist after radiotherapy. Rectal bleeding impairs patients’ daily activities and quality of life of all patients treated with radiotherapy.

Rectal toxicities developed during the course of radiation therapy and typically persist for 90 days after the completion of treatment. These symptoms include loose stools or diarrhea, tenesmus, urgency, anorectal pain, irritation of hemorrhoids, and bleeding.

The construction of this article is based on the thoughts of Hippocrates, the father of medicine, who said that it is very important to take into consideration the oldest medicines before the medicine currently used. The quote “foolish the doctor who despises the knowledge acquired by the ancients” is credited to him for this matter.

Purpose
The purpose of this article is to demonstrate that radiation-induced rectal bleeding post-prostate cancer surgery has an energy deficiency leading to Heat retention as well as chakras energies deficiencies leading to Heat retention conducing to the rectal bleeding symptoms and the corrections of these energies imbalances and replenishing the lack of energy in the chakras energies centers could be one of the strategies to improve the patient’s condition.

METHODS
This article was constructed using articles indexed in PubMed related to rectal bleeding post-radiation therapy in prostate cancer patients, both in Western medicine and traditional Chinese medicine articles. Furthermore, the author used one case report to illustrate how she did the reasoning and the treatment, using traditional Chinese medicine and older medicines tools, and integrating what we have nowadays in Western and in traditional Chinese medicine.

CASE REPORT
A 72-years-old-male patient, A., after three prostate biopsies, it was diagnosed that he was suffering from prostate cancer in 2018. On the same year, the patient underwent laparoscopic surgery to remove the prostate and seminal vesicles. At the end of the surgery, the patient had to be taken to the intensive care unit (ICU) because he was in shock with the 60 × 40 mmHg of blood pressure.

The patient’s PSA (prostatic specific antigen) was 0.01 ng/dl for a long time, rising slowly. Two years later, when he was high enough, at 0.23 ng/dl, the patient underwent 35 radiotherapy sessions.

The patient’s PCA is back to the normal rate nowadays (2020), but the radiation treatment brought him another problem: Rectal bleeding. For weeks when evacuating, the patient would see the toilet in a pool of blood amongst his stools.

The patient sought the author’s clinic for treatment of his bloody stools after a recommendation from his college in the work who improved the hemorrhoids condition only using acupuncture and Chinese dietary counseling. The Chinese medicine diagnosis of this patient was Kidney Yin deficiency and Heat retention. The author did the measurement of the patient’s chakras energies centers to evaluate how they were and she confirmed her suspicion that all his chakras were in the lowest level of energy, rated in one out of eight with the exception of the seventh chakra that was in a normal rate.

The treatment consisted in the first step in Chinese dietary counseling. It was recommended for the patient to avoid raw foods, cold water, dairy products, and sweets (to prevent Spleen-pancreas deficiency). The second group of foods to avoid were coffee, soda, and matte tea (to prevent Kidney deficiency) and the third group of foods to avoid were chocolate, fried foods, honey, eggs, pepper, coconut, alcoholic beverages, and melted cheese to avoid the formation of internal Heat and imbalances in the Liver and Gallbladder meridian.

To balance his internal energy, the author used auricular acupuncture [Figure 1] with apex ear bloodletting [Figure 2] to take out the Heat retention responsible for the rectal bleeding, according to Chinese medicine reasoning.

The other tool used by the author was the prescription of treatment for the replenishment of the chakras’ energies centers with homeopathies, according to Constitutional Homeopathy.

Figure 1: Auricular acupuncture points used in the treatment
of the Five Elements Based on Traditional Chinese Medicine, created by the author and the use of crystal-based medications. The medications used were Sulphur 30CHXX-20 (single dose), Calcarea carbonica 30CHXX-20 (single dose), Silicea 30CHXX-20 (single dose), Natrum muriaticum 30CHXX-20 (single dose), Phosphorus 30CHXX-20. The homeopathies were prescribed to be taken in a single dose with a hiatus of 3 days between the medications, necessarily on the sequence described. Two months later, a new sequence of treatment was started, with the same medications taken on the same order, but now with 200CHXX-20 instead of 30 CHXX-20. Two months later, a new sequence of treatment was started, as the others, with the same medications taken on the same order, now with 1000CHXX-20 instead of 200CHXX-20. Two months later, a new sequence of treatment was started, as the others, with the same medications taken on the same order, now with 10000CHXX-20 instead of 1000CHXX-20. Two months later, a new sequence of treatment was started, as the others, with the same medications taken on the same order, now with 50000CHXX-20 instead of 10000CHXX.

RESULTS

The patient improved his rectal bleeding condition after each stool, only using this kind of treatment in the 1st week of treatment. He had one relapse of this symptom and told to the author in one of his acupuncture sessions and the doctor asked him what he ate differently in the last week. He answered that he ate so much salad and raw vegetables and the doctor orientates him to avoid all raw foods to improve his condition and told him to consume only boiled or grilled foods and after this recommendation, the patient never had another bleeding process in his stools.

DISCUSSION

There are few publications about rectal bleeding process after radiation post-prostate cancer. In the study entitled Treatment and prognosis of patients with late rectal bleeding after intensity-modulated radiation therapy for prostate cancer, published by Radiation Oncology in June 2012, in this article, the authors are emphasizing that the radiation proctitis is due to the high-dose radiation to a very small area of the rectum.[4]

In Western medicine’s perspective, when treating rectal bleeding or any other disease or pathology is based on treating the affected organ and cure the symptoms.[5-8] Traditional Chinese medicine, on the other hand, sees any pathology or disease as a reflex of a bigger and deeper issue, based in the energy imbalances of the patient.[5-8]

According to TCM, the symptoms are not what the physician should aim to cure, but the root of the problem, on the energy level.[5-8]

The tree metaphor places a good way to understand the differences between these two perspectives, as you can see in Figure 3.[5-9]

In Figure 3, you can see that the tree is formed by root, trunk, branches, and leaves. The symptom presents itself in the branches and leaves of the tree, but there are energy imbalances, which are in the root level, causing the symptom in the leaf level, in this case, and rectal bleeding.[5-10]

The treatment must be individualized because, in every patient, the root can be different.[5-10]

This kind of reasoning is basing all the authors’ studies and publications, where she is introducing this idea in many medical conferences and in all her publications that the physician needs to treat the patient (energies imbalances) and not the disease.[3,16]

Before the approach, the case study to illustrate this article, the author will show the history of the patient that was the cornerstone of all her studies and publications. All this history started in 2006 when she attended an afro-descendent patient with pain in the legs. He was using anti-inflammatory medications for more than 6 months with no improvement of his condition. The patient in question was diagnosed with Kidney Yang deficiency, according to TCM. The author prescribed treatment with Chinese dietary counseling, auricular acupuncture, and systemic acupuncture associated with apex ear bloodletting to treat these symptoms, according to his energy imbalances. The patient presented an improvement of his leg pain after 10 acupuncture sessions and went back to the clinic to be evaluated again. On this occasion, 30 days after the last acupuncture session, he revealed to the author that he also had a major improvement in a symptom the physician was not aware he had: He was being treated for glaucoma in the past 40 years, with no significant improvement. For the first time, his intraocular pressure diminished from 40 mmHg to 17 mmHg. The treatment for...
Kidney-\textit{Yang} deficiency not only improved his symptoms of leg pain but also improved his intraocular pressure.\cite{5-12}

This interesting case became a cornerstone of all treatments made by the author and from this case, she is traveling to many different conferences worldwide to disseminate her idea that treating the root of the problem, that is, the energies imbalances, the physician would be able to treat all emotional and physical problems of the patient, even if the physician was not aware that the patient has such symptom.\cite{5-12}

To understand how the author did her reasoning, it is important to understand some concepts of traditional Chinese medicine. Everything in TCM is based on \textit{Yin} and \textit{Yang} theory. It is impossible to understand traditional Chinese medicine (TCM) without understanding the main concepts of \textit{Yin} and \textit{Yang}. These concepts base everything in which traditional Chinese medicine believes in terms of treatment and cure of pathologies.\cite{5-12}

\textit{Yin} and \textit{Yang} are energy forces that rule the world. Everything in the universe is composed by \textit{Yin} and \textit{Yang}, including our body. The Chinese wise men represented this complement of opposites by the archetypal pair, \textit{Yin} and \textit{Yang}, considering their dynamic interaction as the essence of all-natural phenomena and all human situations. Opposites are complementary, as you can see in Figure 4.\cite{5-12}

To be healthy, we aim for a state of equilibrium between \textit{Yin} and \textit{Yang} energies. If there are imbalances between these two energies, symptoms occur, and if not properly treated, consolidate the symptoms and diseases. In the case report, the patient had in TCM diagnosis \textit{Yin} deficiency and Heat retention, as you can see in Figure 5, demonstrating the differences between \textit{Yin} and \textit{Yang}. The diagnosis in TCM of the patient was \textit{Yin} deficiency and Heat retention and you can see the differences in the height between \textit{Yin} and \textit{Yang} when the patient has \textit{Yin} deficiency and demonstrated in Figure 5.\cite{5-12}

When there are any energy imbalances between \textit{Yin}, \textit{Yang}, \textit{Qi}, and Blood, the body reacts, forming internal Heat characterized by the Fire that was leading to the manifestation of rectal bleeding, as you can see in Figure 6.\cite{5-12}
Huang: Chakras’ Energies Deficiencies as the Main Cause of Radiation-induced Rectal Bleeding

One of the mechanisms that the body reacts when there are one or more energies deficiencies between Yin, Yang, Qi, and Blood is the formation of internal Heat inside it. The mechanism the body reacts against this Heat formation is eliminating this excessive Heat through nasal bleeding, urine, menses, and feces such as diarrhea (and in this case, the feces are smelly stools, can cause burning of the anal canal or the perianal mucosa is roasted or the stools can be very dry and hard to release) or though bleeding in the stools. In the case report, the patient had Yin deficiency (fells hotter) and Heat retention (dry mouth, bad breath) in the TCM diagnosis and when he was submitted to radiotherapy, this kind of treatment could induce more energies deficiencies, that leads to the formation of more internal Heat, leading to the rectal bleeding as the consequence of the energy disharmony.

The energy alterations caused by the radiotherapy are not clearly understood. In the article entitled *The Etiology and management of radiotherapy-induced fatigue*, written by Chio-Ping Shiao et al., published on April 2018, the author states that fatigue is the most common side effect of radiotherapy, but the etiology, mechanisms, and risk factors are not understood and this symptom remains poorly managed.[15]

It was additionally recognized that some of the radiation-induced late side effects are of immune and inflammatory nature.[13-15]

Radiation exposure aims at killing tumor cells, but efficient tumor control/eradication also requires the activation of the immune system.[16]

The second main theory basing traditional Chinese medicine is the Five Elements theory. Five Elements theory states that there are five elements present in everything in the world, including our bodies. These elements are Fire, Earth, Metal, Water and Wood. Inside our bodies, these elements will be represented by specific organs. These organs are considered to be the main massive organs, and they have extremely important functions in the well-functioning of the body. They are completely interconnected as the main principle of the Five Elements theory and it is important to understand the idea of cycle, previously presented in the Yin and Yang.[17]

For each organ, there is an external sensory organ that each internal massive commands. For example, in TCM if a patient has an eye problem, instead of treating the eyes, the Liver should be treated. If the patient has a lack of sense of smell, the organ to be treated is the Lung, and if the patient has a hearing problem, the organ to be treated must be the Kidney. You can see the correlation of the five elements with the internal organs, seasons, emotions, color, taste, Yin organ, and Yang organ in Table 1.[17]

In the article, *The Geometry of Emotions: Using Chakra Acupuncture and 5-Phase Theory to Describe Personality Archetypes for Clinical Use* written by Christopher R Chase, he associates the Five Elements theory with the chakras’ energies meridians. The author used to write this article associating the explanation by Christopher and measured the energy of the internal organs of the five elements using radiesthesia procedure.[11-16,18]
In Figure 7, you can see the correlation between the seven chakras with the five elements described in TCM studies already available on the literature.\textsuperscript{[17]}

The author measured the patient’s chakras’ energies centers in a process called radiesthesia. The procedure is done with a crystal pendulum and is able to rate from 1 to 8 the level of the patient’s energy imbalances – being 1 the lowest and 8 the ideal balance.\textsuperscript{[14-17]}

In this patient’s case, the author found the radiesthesia procedure necessary to try to find the energies imbalances that were causing symptoms of rectal bleeding in the energy point of view. Moreover, she found that all the patient’s chakras were in the lowest level of energy and were leading to the formation of Heat retention that was causing the bleeding symptoms. Only the seventh chakras were in the normal level, rated in eight.\textsuperscript{[13-16]}

On Table 2, the author is demonstrating that the patient in the case report was in phase 5 of progression from health to disease when his cancer had already been diagnosed and the patient had already undergone surgery. Therefore, he was in a very advanced phase of energy imbalance.

What has been done so far, before the TCM treatment, was to treat the symptom, cancer itself, but all energy imbalances that led to that disease had not yet been treated, so the patient was still deficient in energy. As the author explained earlier, whenever there is an energy deficiency, internal Heat is formed – which in TCM is the explanation for the development of several diseases, such as diabetes, hypertension, anxiety, panic syndrome, infections in general, dermatitis – and in the case of the patient, cancer.\textsuperscript{[7,16,19-21]}

In all of the author’s publications and presentations in the conferences, she always followed Hippocrates’ thinking, one of his lessons being the phrase “let food be thy medicine and thy medicine be thy food.” For this reason, every treatment requires a change of diet.\textsuperscript{[3,7,8]}

The first guideline was to avoid cow’s milk, cold water, raw, and sweet foods – foods that imbalance the Spleen-pancreas, or 5\textsuperscript{th} chakra, which after measurement was without energy from the first to the sixth chakra, except for the seventh – spiritual chakra. As these foods are very common in Western medicine and considered healthy, in TCM, it causes imbalances in the absorption of nutrients, leading to a decrease in the production of Blood, which is responsible for the nutrition of all the cells and organs of the body – the Blood that takes nutrition – in its absence, there will be a lack of nutrition in all its organs and systems, leading to energy deficiency, as in the case of the patient reported in this article.\textsuperscript{[6-14]}

The second guideline was to avoid mate tea, soda, and coffee, which are the foods that will cause the imbalance of the Kidney energy or the second chakra, which is responsible for the formation of \textit{Yin} and \textit{Yang} energies.\textsuperscript{[6-14]}

\begin{table}[H]
\centering
\caption{Five elements and their five internal organs correspondence}
\begin{tabular}{|c|c|c|c|c|}
\hline
\textbf{Orientation} & \textbf{Wood} & \textbf{Fire} & \textbf{Earth} & \textbf{Metal} & \textbf{Water} \\
\hline
\textbf{Season} & East & South & Middle & West & North \\
\textbf{Climate} & Spring & Summer & Late Summer & Autumn & Winter \\
\textbf{Cultivation} & Wind & Summer Heat & Dampness & Dryness & Cold \\
\textbf{Yin Organ} & Germinate & Grow & Transform & Reap & Store \\
\textbf{Yang Organ} & Liver & Heart & Spleen & Lung & Kidney \\
\textbf{Orifice} & Gall Bladder & Small Intestine & Stomach & Large Intestine & Iadder \\
\textbf{Tissues} & Eye & Tongue & Mouth & Nose & Ear \\
\textbf{Emotions} & Tendons & Vessels & Muscles & Skin & Hair & Bones \\
\textbf{Colour} & Anger & Joy & Pensiveness & Grief & Fear \\
\textbf{Taste} & Blue/ Green & Red & Yellow & White & Black \\
\textbf{Voice} & Sour & Bitter & Sweet & Pungent & Salty \\
\textbf{Chief} & Shout & Laugh & Sing & Cry & Groan \\
\hline
\end{tabular}
\end{table}

\textbf{Table 1: Five elements and their five internal organs correspondence}
Huang: Chakras’ Energies Deficiencies as the Main Cause of Radiation-induced Rectal Bleeding

The third guideline is to avoid fried foods, chocolate, coconuts, honey, eggs, pepper, and alcoholic beverages to avoid further internal Heat formation, which is mainly responsible for the bleeding the patient has and the author will explain the mechanisms of this bleeding in the energy point of view in the following section.[6-14]

Our body has mechanisms to try to eliminate this excess formation of internal Heat. One of the ways that our body uses is through nosebleed, menstrual bleeding, and urine bleeding and digestive bleeding.[7-9]

In the case of this patient, the rectal bleeding he was having was not exactly only due to radiation therapy that he suffered; but due to the energies deficiencies that he should have for a long time and worsened with this radiation therapy, which generated internal Heat and led to the rectal bleeding symptoms.[7-12]

As the patient had never treated the condition of energies deficiencies, too much internal Heat was forming in the patient’s body and therefore the body was trying to eliminate this stress through rectal bleeding.[7-12]

The crystal-based medications used were described very well in the article wrote by the author entitled Why Are Diabetic Patients Still Having Hyperglycemia despite Diet Regulation, Antiglycemic Medication and Insulin? published by International Journal of Diabetes.[7]

In the study entitled The Etiology and management of radiotherapy-induced fatigue, written by Chao-Pin Hsiao et al., the author studies the fatigue induced by radiotherapy and concluded that the pathophysiology of fatigue induction is still not understood to study the prevention and treatment of these patients. These changes are in the energy level, which is invisible to the naked eye, only people who work with energy will understand this process; because initially, laboratory changes will not occur, as previously stated.[15]

Ear acupuncture was done to balance the energies of Yin, Yang, Qi, and Blood. The functions of each point were demonstrated in the article written by the author entitled How Do You Treat Back Pain in Your Practice? Part 2. Furthermore, the author used apex-ear bloodletting to remove internal Heat, as you can see the procedure in Figure 8.[6]

In this case report, with the treatment the author prescribed, the patient improved the rectal bleeding in the 1st week only doing Chinese dietary counseling, auricular acupuncture, and apex-ear bloodletting.[7-10]

The recharging of all chakras with crystal-based medication and homeopathy was done to improve the patient’s energy, leading to less internal Heat formation and, consequently, less rectal bleeding from the patient. This last step was carried out so that he had a load of all the chakras, more health and less chance of developing other diseases and other cancers because treating the root of what was generating the problem (the energies deficiencies and Heat retention), the author is treating the cause of the formation of disease and not just removing the symptom.[7-13]

One of these days, after about 40 days of treatment, the patient complained that he had a little bleeding when he had a bowel movement, after many weeks without bleeding. The first

<table>
<thead>
<tr>
<th>Organ</th>
<th>Exams</th>
<th>Energy reserve</th>
<th>Symptom</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phase 1</td>
<td>Slowing down of organ functions</td>
<td>Normal</td>
<td>Energy reserves – normal</td>
</tr>
<tr>
<td>Phase 2</td>
<td>Slowing down of organ functions</td>
<td>Normal</td>
<td>Consumption of internal energy reserves</td>
</tr>
<tr>
<td>Phase 3</td>
<td>Slowing down of organ functions</td>
<td>Normal</td>
<td>Consumption of external energy reserves</td>
</tr>
<tr>
<td>Phase 4</td>
<td>Reversible cellular lesion</td>
<td>Little alteration</td>
<td>Consumption of Blood reserves</td>
</tr>
<tr>
<td>Phase 5</td>
<td>Irreversible cellular lesion</td>
<td>Excessive alteration</td>
<td>Metabolic exhaustion</td>
</tr>
</tbody>
</table>

Table 2: Progression from health to disease

One of the hypotheses of the author is that radiotherapy may have caused a greater energy deficiency, thus generating greater internal Heat formation, as she explained the consequences of the exposition to electromagnetic waves in the article entitled Why Diabetic Patients Still Have Hyperglycemia Despite Diet Regulation, Hypoglycemic Medications and Insulin? published by the International Journal of Diabetes.[7]
Huang: Chakras’ Energies Deficiencies as the Main Cause of Radiation-induced Rectal Bleeding

Figure 8: Apex era bloodletting to take out Heat retention that was causing the rectal bleeding

The author will explain why those foods had to be avoided and which foods the author advised the patient to eat.\textsuperscript{[7-13]}

In the first group of foods, raw food, dairy products, sweets, and cold water should be avoided, and only cooked or sautéed foods and warm, never cold water should be eaten. This has a basis based on the energy of each food leading to the energy imbalance of the entire system. When the patient ate cold energy foods, which are raw foods, including vegetables and fruits and cold or natural water, this leads to the formation of internal Heat when the food reaches the stomach, for example. That is why we must cook or sauté these foods and or heat the water to neutralize the coldness that it contains in these foods, leading to the non-formation of the internal Heat; and in this way, the patient will not have rectal bleeding.\textsuperscript{[7-13]}

Likewise, he was instructed to avoid matte tea, soda and coffee so as not to cause a deficiency in the Kidney’s energy, as if there was a deficiency, it would also lead to the formation of internal Heat and consequently generating greater rectal bleeding.\textsuperscript{[9,14,16]}

Regarding the last group of foods, they were instructed to avoid further internal Heat formation induced by the food itself in a patient who previously had energy deficiency and internal Heat.\textsuperscript{[22]}

In this study, the reason why the author treated patients only with highly diluted medication and trying to minimize the use of highly concentrated medication as much as possible, based on Arndt Schultz’s Law, as you can see in Figure 9.\textsuperscript{[23]}

According to this law, the use of highly concentrated medication leads to a deficiency of vital energy, which in cancer patients is already very low. The use of highly diluted drugs is highly recommended, such as homeopathies medications, in this type of patient, as it improves their vital energy; thus improving their immunity, leading to the reduction or less formation of tumor processes by itself and also, less formation of internal Heat that is leading to the rectal bleeding symptoms.\textsuperscript{[13,23,24]}

In the article written by the author entitled Energy Imbalances and Chakras Energy Replenishment to Treat Patients with Urinary Incontinence and Sexual Dysfunction Post Cancer Prostatectomy, published at Journal of Andrology and Gynaecology on June 2020, the patient reported in that article had the same chakras energies deficiencies as in the patient reported in this article, because both have energies deficiencies in the chakras energies centers but one patient has one diagnosis after prostate cancer surgery (urinary incontinence and sexual dysfunction) and the second patient reported in this article had rectal bleeding after radiation therapy post-prostate cancer.\textsuperscript{[24]}

The author was just showing that the energy diagnosis of the two patients was the same. Therefore, in TCM, it occurs that several pathologies can have the same root, or the same pathology can have several different roots.\textsuperscript{[24]}

The author wants to emphasize that all the tools used to treat this patient, such as the use of acupuncture and homeopathy medications, are two both recognized by Brazilian Federal Council of Medicine since 1995 and 1980, respectively.\textsuperscript{[25]}

Figure 9: Arndt–Schultz’s Law
Huang: Chakras’ Energies Deficiencies as the Main Cause of Radiation-induced Rectal Bleeding

CONCLUSION

The conclusion of these studies is that patients with rectal bleeding after radiotherapy post-prostate cancer surgery have energies deficiencies in the chakras energies centers and internal Heat formation. Correcting these energies imbalances is important to correct the cause of rectal bleeding. In this study, tools were used in traditional Chinese medicine, such as Chinese dietary counseling, auricular acupuncture with apex-ear bloodletting, systemic acupuncture, and replenishment of chakras’ energies with high-diluted medications to treat this patient with rectal bleeding post-radiation therapy post-prostate cancer. More studies with a larger number of patients should be done to confirm the results presented in this work.

REFERENCES
