

Training Header Sheet with Change Log Form

Kentucky
Science - Biology
2022 Spring Op

BI1701_08
Impact of Sucralose on Gut
Ecosystem

Qualification Set

Date	Comments	Version
10/2022	Training Set	Set A

Uin:AAATNP13818000071968 Form:18SCBISPONEN00000003 Clip:BI1701_08

i think the first and last treatment options are th best. The reason i yhink think this is becuse treatment option 1 has no cost and removes the factor of his illness. Although the recovery time is slow there is no side affects. Secondly i think the final treatment option is great as well. If he chose to change his sweetner the cost would be low. Also it would remove the likely factor of him getting a illness.

Uin:AAATNP13818000040694 Form:18SCBISPONEN00000003 Clip:BI1701_08

can cause gas,bloating

no additional cost

Uin:AAATNP13818000014653 Form:18SCBISPONEN00000003 Clip:BI1701_08

For Mr. Smith the best two treatment options would be to remove the sweetener from his diet, or to use over-the-counter bacteria replacements (probiotics). I think that these would be the best options because his intestinal ecosystem returns to normal and his health gets better. Both are either cost free or at a good rate, therefore he can afford both options. In both options the negatives are small and can be worked around or aren't big. one for instance is that it may take longer than other treatments, and the other is that it may cause bloating or gas.

Uin:AAATNP13818000068871 Form:18SCBISPONEN00000003 Clip:BI1701_08

he should either use another sweetener or stop useing sweetner all together it started when he used sweeterner instead of suger so thats the problem and both will most likely solve the problem and done cost much if anything

Uin:AAATNP13818000037494 Form:18SCBISPONEN00000003 Clip:BI1701_08

I think that the best two treatment options are removing sweetener from Mr. Smith's diet and using over-the-counter bacteria replacements. I think that removing the sweetener from his diet will remove the harmful factor that's causing the illness and it has no additional cost. It will return the environment back to normal conditions within his intestinal ecosystem. The only negative is that recovery time will be longer than some of the other options. Another good option would be the over-the-counter bacteria replacements. This option is a little more expensive but it returns the healthy bacteria balance to the ecosystem and quickly removes the problem. The only downside is that it can cause bloating and gas.

I considered the most important part the benefits and the negatives because the reason that the options are there is to treat the illness and this must be done. Also you can see the ups and downs to make sure that the positives outweigh the negatives. Then I looked at the mechanism and then the cost because cost weighs in a little because of affordability but not as much as if the treatment works and how quickly.

Uin:AAATNP13818000036039 Form:18SCBISPONEN00000003 Clip:BI1701_08

remove sweetener from his diet- because it won't cost anything and it will remove the harmful bacteria so he won't have diarrhea cons- the recovery is long because the bacteria returns to normal levels slowly

using over-the-counter bacteria replacements-it won't cost that much money and replace the healthy bacteria to balance out his intestines ecosystem cons- can cause bloating or gas

Uin:AAATNP13818000068879 Form:18SCBISPONEN00000003 Clip:BI1701_08

removing sweetner from Mrs. smiths diet could be one because it can remove harmful factors that are likely causing illness and the next would be using over the counter bacteria replacements

Uin:AAATNP13818000064246 Form:18SCBISPONEN00000003 Clip:BI1701_08

I have decided that the two best treatment options for Mr. Smith's recovery would be using the over-the-counter bacteria replacements because it restores the healthy bacteria to balance his intestinal ecosystem. Mr. Smith doesn't want to spend too much money on a treatment option and these probiotics are in a moderate price range. Probiotics supplement normal, healthy ecosystem bacteria and restores healthy bacterial balance to his intestinal ecosystem, the only downside to this treatment is the side effect of gas and bloating but for the price and the benefits, it seems to be the best decision. The next option would be to substitute the sweetener that unbalances his intestinal ecosystem for another type of artificial sweetener. This wouldn't be a for sure cure to his illness but it removes the likely factor causing him to be sick by removing the factor causing the bacterial imbalance. There is a chance this option will probably not improve the imbalance in his intestinal ecosystem quickly. This is also one of the cheapest ways to stop his illness without completely cutting out sweeteners.

Uin:AAATNP13818000069735 Form:18SCBISPONEN00000003 Clip:BI1701_08

I say Mr. Smith should choose the treatments of using over-the-counter bacteria replacements and using broad-spectrum antibiotics (available by prescription). Both treatments provide considerable results, not any harmful effects, and both impacts Mr. Smith's mechanism in beneficial way.

Uin:AAATNP13818000065490 Form:18SCBISPONEN00000003 Clip:BI1701_08

The two treatment options that I think are the best to handle Mr. Smits situation are the removal of the low calorie sweetener from his diet and using over-the-counter probiotics because the costs are not intensely high, nor are they hard to enforce. Removing the sweetener from his diet completely may take a lot of recovery time, but the outcome would be excellent. Taking the over-the-counter probiotics would help provide a healthier ecosystem for the inhabitants as well as the first option that was provided leaving Mr. Smith comfortable.

Uin:AAATNP13818000020856 Form:18SCBISPONEN00000003 Clip:BI1701_08

1. removing sweetener from his diet bc its not costly and works.
2. use bacteria replacements bc it restores his health quickly at a moderate cost

Uin:AAATNP13818000074671 Form:18SCBISPONEN00000003 Clip:BI1701_08

I think that the best treatment options for Mr. Smith are removing the sweetener from his diet and substituting another artificial sweetener in. Removing the sweetener from his diet has no additional cost to to it. The benefit of doing it is it's likely to remove harmful bacteria that is causing his illness. The only negative to it is that there is a long recovery time. However, removing the sweetener will cause his enviromental conditions in his body return to normal. If Mr. Smith subtitutes another sweetener into his diet there will be low cost and it will remove the likely factor causing his illness. The negative to subtituting in another sweetener is that it will not improve the imbalance in his intestines quickly. However, subtituting in another artificial sweetener will remove the cause of his bacterial imbalance in his intestines. This is why these two would most likely be the best treatments for resolving his intestinal issues.

Uin:AAATNP13818000017116 Form:18SCBISPONEN00000003 Clip:BI1701_08

1. **COST:** no additional cost .
2. **benefit:**supplements normal healthy ecosystem inhabitants (bacteria) quickly.
3. **negatives:**will probably not improve the imbalance in his intestinal ecosystem quickly.
4. **mechanism:**Restores healthy balance to his intestinal ecosystem quickly.

Uin:AAATNP13818000087805 Form:18SCBISPONEN00000003 Clip:BI1701_08

The first treatment plan that i think would be the most beneficial is using over-the-counter bacteria replacemnts. First, Mr. Smith needs to gain his health back. His intestines need the bacteria in his body. These probiotics will restore healthy bacteria in his intestinal organs at a faster rate. Also, the probiotics are not expensive at all. Mr. Smith doesnt have the money for high end or expensive options. the cost of this option is moderate, and will give Mr. Smith the nutrients his intestine needs to thrive and keep him healthy. Although there are some downfalls to this treatment, like many others, i have considered this to be one of the best. Bloating and gas could occur, but this will end his dirrhea and many unknown symptoms that may occur. I have looke at all of the factors concerning this treatment, and although it does have negatives, the positives outway them when weighing the health of Mr. Smith.

The best option For Mr. Smith is to substitute for another type of artificial sweetener. To start, the cost of this would be very low. Instead of buying the artificial sweetener, he can just buy a different one for the same price. If he subsitutes his sweetener it will most likely remove anything causing his illness. He will no longer have dirrhea. Secondly, it will get rid of all factors causing the bacterial imbalance. This will allow the bacterial ecosystems in Mr. Smith to grow and stay alive. The negative part of this plan is that the imbalance will improve at a slow rate. He may still experience those symptoms, but they will eventually go away. The most beneficial part to Mr. Smith is that he will not gain weight. He can stay the same weight or lose with this option. After reading and looking at all of the options, i think these two will give Mr. Smith the best results

Uin:AAATNP13818000069737 Form:18SCBISPONEN00000003 Clip:BI1701_08

I would used the treatments of trying to find a new artifical sweetener because he just might have the affect to the on that certian sweetner and the cost isnt bad because all your paying for is to buy the sugars and it could heal the illness with not having to have life affects and will make him feel better. I would also choose over the counter bacteria replacement because it may cause some money but not to but and he could still use the same sweetner because the medicine will balance it with a few side affects like gas or bloating.

Uin:AAATNP13818000026304 Form:18SCBISPONEN00000003 Clip:BI1701_08

one treatment would be to remove all sweeteners from his diet i think that because he is getting to much.

secound treatment would be to use over the counter bacteria replacements i think this because you need your bacteria to help your emmumin system.

Uin:AAATNP13818000028066 Form:18SCBISPONEN00000003 Clip:BI1701_08

The two best treatment options for him are "removing the sweetener from Mr. Smith's diet" and "using over-the-counter bacteria replacements (probiotics)". The cost for the first one has no additional cost. It will remove harmful factors causing his illness and his intestinal ecosystem will return to normal. The only negative is that it will take a while. The second treatment has a moderate cost, which should be affordable. It supplements normal, healthy ecosystem bacteria quickly. It even restores healthy bacterial balance to his intestinal ecosystem. It has small side effects such as causing gas, and bloating. Those are the two best treatment options.

Uin:AAATNP13818000032312 Form:18SCBISPONEN00000003 Clip:BI1701_08

Substitute another type of artificial sweetener is one of the best reasons for choice.

And using over the counter drug would be the other best reason for choice cause it dont have to many negatives far as gas and bloating

Uin:AAATNP13818000085240 Form:18SCBISPONEN00000003 Clip:BI1701_08

One of the example i picked was Treatment Option is because the sweetner is not helping him with his deit at all. The other example i picke was Negatives because that had a alot of side effects with it.

Uin:AAATNP13818000104006 Form:18SCBISPONEN00000003 Clip:BI1701_08

The two best options in my opinion would have to be Removing the Sweetener from Mr. Smith's diet completely and Using over-the-counter bacteria replacements because if you remove it from his diet completely and go back to what it used to be because he will slowly recover from his illness and diarrhea and not have to deal with it after a while and he'll be healthy again. Using over-the-counter bacteria replacements will be a little pricey and could cause gas or bloating, but it restores the bacteria and fixes the balance to his intestinal ecosystem quickly, which means he'll probably be only using it for a short amount of time and not have to waste more money on it.