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THE RHETORIC OF APPLICATIONS

*– with a 30 min crash course on simplified
simplifying Swenglish for project proposals*

Part 1.

Why should anybody want to give money to you – for the project proposed?

Convince them!

The art of convincing = Rhetoric

The basic rhetorical elements

ETHOS

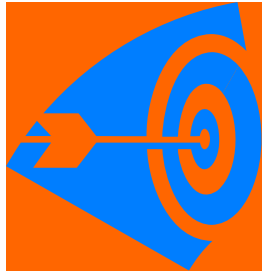
LOGOS

PATHOS

LOGOS – *rational purpose*

LOGOS – *rational purpose*

PATHOS – *emotional appeal*



ETHOS – *trustworthy character*

LOGOS – *rational purpose*

PATHOS – *emotional appeal*

ANSWER

The project can be supported because:

ANSWER

The project can be supported because:

(LOGOS) The ideas make rational sense

ANSWER

The project can be supported because:

(LOGOS) The ideas make rational sense

(PATHOS) The ideas have emotional appeal
(=sound fascinating)

YOU can be supported only because:

YOU can be supported only because:

(*ETHOS*) You are trustworthy

**An application is not merely a
description of a project and
its proposed merits...**

**Your written application is a
diagnostic of your being
trustworthy (besides being clever)!**

Your written application is a diagnostic of your being **trustworthy (besides being clever)!**

- 1. Follow instructions meticulously!**
- 2. Prove your competence (past papers, preliminary data)!**
- 3. Reference adequately!**
- 4. Be structured, lucid and realistic!**
- 5. Mind your language!**

As far as possible, make the reviewer's life intellectually comfortable and enjoyable.

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If you annoy him/her with unnecessary and vague expressions, (s)he is likely to feel that you are unreliable.

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Why should the reviewer believe that you are more disciplined in the lab or clinic than when writing?

Part 2.

**Reflexions on writing, with some
simple examples from real life**

What follows is a grant application, drawn at random from the archives of a funding organization.

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For reasons of integrity, some terms have been changed.

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Grammar and syntax are as originally employed.

XYZ Virus: Optimizing Therapy for Treatment Naïve Patients and Relapsers With Genotype α or β Infections, and Evaluation of Factors Affecting Survival Following Pancreas Transplantation

Specific Aims

The proposed work is founded on three ongoing or pending clinical studies in XYZ virus (COD) infection:

1. The first study is an investigator initiated, randomized, open-label, parallel group, multi-center study evaluating the efficacy and safety of 14 weeks versus 28 weeks γ -interferon combination therapy with insulin in interferon naïve patients with chronic XYZ genotype α or β infection. This study is ongoing, and a total of 350 patients have been enrolled (Sweden 160, Brazil 100, Latvia 40, Scotland 50). The last patient will have completed the study by November 2009, after which time the samples and data will be analyzed. The aims of this study to be addressed at our center are:

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XYZ Virus: Optimizing Therapy for **Treatment Naïve** Patients and Relapsers With Genotype α or β Infections, and Evaluation of Factors Affecting Survival Following Pancreas Transplantation

Missing "of".

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Tautological redundancy.

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XYZ Virus: Optimizing Therapy for Treatment of Naïve Patients and Relapsers With Genotype α or β Infections, and Evaluation of Factors Affecting Survival Following Pancreas Transplantation

This whole phrase is probably redundant in title.

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XYZ Virus: Optimizing Therapy and Evaluation of Factors Affecting Survival Following Pancreas Transplantation

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XYZ Virus: Optimizing Therapy and Evaluation of Factors Affecting Survival Following Pancreas Transplantation

Specific Aims

The proposed work
virus (COD) infection.

The preposition, "after", is simpler and more straightforward

clinical studies in XYZ

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XYZ Virus: Optimizing Therapy to Reduce the Burden of Disease Affecting Survival After Pancreas Transplant

Logically best choice of word? "comprises", "is part of"?

Specific Aims

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XYZ Virus: Optimizing Therapy and Evaluation of Factors Affecting Survival After Pancreas Transplantation

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XYZ Virus: Optimizing Therapy and Evaluation of Factors Affecting Survival After Pancreas Transplant

Redundant here. Not relevant for "aim".

Specific Aims

The proposed work comprises three ongoing or pending clinical studies in XYZ virus (COD) infection:

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The proposed work comprises three clinical studies in XYZ virus (COD) infection:

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XYZ Virus: Optimizing Therapy and Evaluation of Factors Affecting Survival After Pancreas Transplantation

Specific Aims

**Not relevant for "aim".
Also: "1. The first study..." is a tautologous expression.**

The proposed work comprises the following clinical studies in XYZ virus (COD) infection:

1. **The first study is an investigator initiated, randomized,** open-label, parallel group, multi-center study evaluating the efficacy and safety of 14 weeks versus 28 weeks γ -interferon combination therapy with insulin in interferon naïve patients with chronic XYZ genotype α or β infection. This study is ongoing, and a total of 350 patients have been enrolled (Sweden 160, Brazil 100, Latvia 40, Scotland 50). The last patient will have completed the study by November 2009, after which time the samples and data will be analyzed. The aims of this study to be addressed at our center are:
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XYZ Virus: Optimizing Therapy and Evaluation of Factors Affecting Survival After Pancreas Transplantation

Specific Aims

The proposed work comprises three clinical studies in XYZ virus (COD) infection:

1. **An** open-label, parallel group, multi-center study evaluating the efficacy and safety of 14 weeks versus 28 weeks γ -interferon combination therapy with insulin in interferon naïve patients with chronic XYZ genotype α or β infection. This study is ongoing, and a total of 350 patients have been enrolled (Sweden 160, Brazil 100, Latvia 40, Scotland 50). The last patient will have completed the study by November 2009, after which time the samples and data will be analyzed. The aims of this study to be addressed at our center are:

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XYZ Virus: Optimizing Therapy and Evaluation of Factors Affecting Survival After Pancreas Transplantation

Specific Aims

The proposed work comprises three clinical studies in XYZ virus (COD) infection:

1. An **open-label, parallel group**, multi-center study evaluating the efficacy and safety of 14 weeks versus 28 weeks γ -interferon combination therapy with insulin in interferon naïve patients with chronic XYZ genotype α or β infection. This study is ongoing, and a total of 350 patients have been enrolled (Sweden 160, Brazil 100, Latvia 40, Scotland 50). The last patient will have completed the study by November 2009, after which time the samples and data will be analyzed. The aims of this study to be addressed at our center are:

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XYZ Virus: Optimizing Therapy and Evaluation of Factors Affecting Survival After Pancreas Transplantation

Specific Aims

Could perhaps also be removed as redundant under "specific aims"?

The proposed work comprises three clinical studies in XYZ virus (COD) infection:

1. An **open-label, parallel group**, multi-center study evaluating the efficacy and safety of 14 weeks versus 28 weeks γ -interferon combination therapy with insulin in interferon naïve patients with chronic XYZ genotype α or β infection. This study is ongoing, and a total of 350 patients have been enrolled (Sweden 160, Brazil 100, Latvia 40, Scotland 50). The last patient will have completed the study by November 2009, after which time the samples and data will be analyzed. The aims of this study to be addressed at our center are:

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XYZ Virus: Optimizing Therapy and Evaluation of Factors Affecting Survival After Pancreas Transplantation

Specific Aims

The proposal includes three clinical studies in XYZ virus (COD) infection:

Redundant.

1. An open-label, parallel group, multi-center study evaluating the efficacy and safety of 14 weeks versus 28 weeks γ -interferon combination therapy with insulin in interferon naïve patients with chronic XYZ genotype α or β infection. This study is ongoing, and a total of 350 patients have been enrolled (Sweden 160, Brazil 100, Latvia 40, Scotland 50). The last patient will have completed the study by November 2009, after which time the samples and data will be analyzed. The aims of this study to be addressed at our center are:

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XYZ Virus: Optimizing Therapy and Evaluation of Factors Affecting Survival After Pancreas Transplantation

Specific Aims

The proposed work comprises three clinical studies in XYZ virus (COD) infection:

1. An open-label, parallel group, multi-center study evaluating the efficacy and safety of 14 versus 28 **weeks γ -interferon combination therapy with insulin** in interferon naïve patients with chronic XYZ genotype α or β infection. This study is ongoing, and a total of 350 patients have been enrolled (Sweden 160, Brazil 100, Latvia 40, Scotland 50). The last patient will have completed the study by November 2009, after which time the samples and data will be analyzed. The aims of this study to be addressed at our center are:

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XYZ Virus: Optimizing Therapy and Evaluation of Factors Affecting Survival After Pancreas Transplantation

Specific Aims

The proposed work comprises the following aims for the study of XYZ virus (COD) infection:

Missing "of", and somewhat clumsy phrase.

1. An open-label, parallel group, multi-center study evaluating the efficacy and safety of 14 versus 28 weeks γ -interferon combination therapy with insulin in interferon naïve patients with chronic XYZ genotype α or β infection. This study is ongoing, and a total of 350 patients have been enrolled (Sweden 160, Brazil 100, Latvia 40, Scotland 50). The last patient will have completed the study by November 2009, after which time the samples and data will be analyzed. The aims of this study to be addressed at our center are:

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XYZ Virus: Optimizing Therapy and Evaluation of Factors Affecting Survival After Pancreas Transplantation

Specific Aims

One possibility...

The proposed work comprises three clinical studies in XYZ virus (HCV) infection:

1. An open-label, parallel group, multi-center study evaluating the efficacy and safety of 14 versus 28 weeks of therapy with γ -interferon and insulin in interferon naïve patients with chronic XYZ genotype α or β infection. This study is ongoing, and a total of 350 patients have been enrolled (Sweden 160, Brazil 100, Latvia 40, Scotland 50). The last patient will have completed the study by November 2009, after which time the samples and data will be analyzed. The aims of this study to be addressed at our center are:

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XYZ Virus: Optimizing Therapy and Evaluation of Factors Affecting Survival After Pancreas Transplantation

Specific Aims

...and another, shorter one.

The proposed work comprises three clinical studies for XYZ virus (COD) infection:

1. An open-label, parallel group, multi-center study evaluating the efficacy and safety of 14 versus 28 weeks of γ -interferon-insulin therapy in interferon naïve patients with chronic XYZ genotype α or β infection. This study is ongoing, and a total of 350 patients have been enrolled (Sweden 160, Brazil 100, Latvia 40, Scotland 50). The last patient will have completed the study by November 2009, after which time the samples and data will be analyzed. The aims of this study to be addressed at our center are:

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XYZ Virus: Optimizing Therapy and Evaluation of Factors Affecting Survival After Pancreas Transplantation

Specific Aims

The proposed work comprises three clinical studies in XYZ virus (COD) infection:

1. An open-label, parallel group, multi-center study evaluating the efficacy and safety of 14 versus 28 weeks of γ -interferon-insulin therapy in interferon naïve patients with chronic XYZ genotype α or β infection. **This study is ongoing, and a total of 350 patients have been enrolled (Sweden 160, Brazil 100, Latvia 40, Scotland 50). The last patient will have completed the study by November 2009, after which time the samples and data will be analyzed.** The aims of this study to be addressed at our center are:

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XYZ Virus: Optimizing Therapy and Evaluation of Factors Affecting Survival After Pancreas Transplantation

Specific Aims

The proposed work comprises three clinical studies in XYZ virus (COD) infection:

1. An open-label, parallel group, multi-center study to evaluate the efficacy and safety of 14 versus 28 weeks of γ -interferon plus insulin therapy in interferon naïve patients with chronic XYZ genotype α or β infection. **This study is ongoing, and a total of 350 patients have been enrolled (Sweden 160, Brazil 100, Latvia 40, Scotland 50). The last patient will have completed the study by November 2009, after which time the samples and data will be analyzed.** The aims of this study to be addressed at our center are:

Not "specific aims"!

a. To demonstrate whether the efficacy of γ -interferon and insulin given for 14 weeks is non-inferior to 28 weeks.

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XYZ Virus: Optimizing Therapy and Evaluation of Factors Affecting Survival After Pancreas Transplantation

Specific Aims

The proposed work comprises three clinical studies in XYZ virus (COD) infection:

1. An open-label, parallel group, multi-center study evaluating the efficacy and safety of 14 versus 28 weeks of γ -interferon-insulin therapy in interferon naïve patients with chronic XYZ genotype α or β infection. The aims of this study to be addressed at our center are:

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XYZ Virus: Optimizing Therapy and Evaluation of Factors Affecting Survival After Pancreas Transplantation

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The proposed work comprises three clinical studies in XYZ virus (COD) infection:

1. An open-label, parallel group, multi-center study evaluating the efficacy and safety of 14 versus 28 weeks of γ -interferon-insulin therapy in interferon naïve patients with chronic XYZ genotype α or β infection. The aims of this study **to be addressed at our center** are:

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XYZ Virus: Optimizing Therapy and Evaluation of Factors Affecting Survival After Pancreas Transplantation

Specific Aims

The proposed work compares the efficacy of 14 versus 28 weeks of γ -interferon- and insulin-based therapy in XYZ virus (COD) infection:

Also redundant here, not specific aim.

1. An open-label, parallel group, center study evaluating the efficacy and safety of 14 versus 28 weeks of γ -interferon- and insulin-based therapy in interferon naïve patients with chronic XYZ genotype α or β infection. The aims of this study **to be addressed at our center** are:

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XYZ Virus: Optimizing Therapy and Evaluation of Factors Affecting Survival After Pancreas Transplantation

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The proposed work comprises three clinical studies in XYZ virus (COD) infection:

1. An open-label, parallel group, multi-center study evaluating the efficacy and safety of 14 versus 28 weeks of γ -interferon-insulin therapy in interferon naïve patients with chronic XYZ genotype α or β infection. The aims of this study are:

a. To **demonstrate whether** the efficacy of γ -interferon and insulin given for 14 weeks is non-inferior to 28 weeks.

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XYZ Virus: Optimizing Therapy and Evaluation of Factors Affecting Survival After Pancreas Transplantation

Specific Aims

The proposed

Logically best choice of word? "Find out", "ascertain"?
Or alter whole sentence to simplify?

XYZ virus (COD) infection:

1. An study evaluating the efficacy and safety of γ -interferon and insulin therapy in interferon naïve patients with chronic XYZ genotype α or β infection. The aims of this study are:

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XYZ Virus: Optimizing Therapy and Evaluation of Factors Affecting Survival After Pancreas Transplantation

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XYZ Virus: Optimizing Therapy and Evaluation of Factors Affecting Survival After Pancreas Transplantation

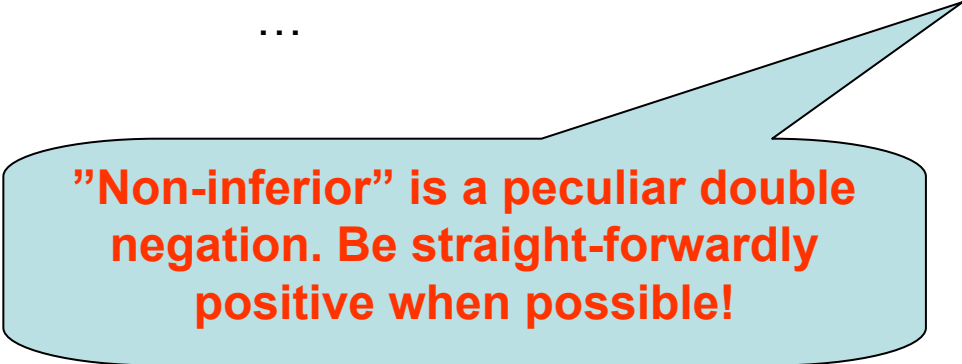
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a. To find out whether the efficacy of γ -interferon and insulin given for 14 weeks is **non-inferior to** 28 weeks.

...



”Non-inferior” is a peculiar double negation. Be straight-forwardly positive when possible!

XYZ Virus: Optimizing Therapy and Evaluation of Factors Affecting Survival After Pancreas Transplantation

Specific Aims

The proposed work compares the efficacy of 14 weeks versus 28 weeks of γ -interferon- α (COD) infection:

Alter this sentence, too, to simplify what follows?

1. An open-label, parallel group, multi-center study evaluating the efficacy and safety of 14 weeks versus 28 weeks of γ -interferon- α therapy in interferon naïve patients with chronic XYZ genotype α or β infection. **The aims of this study are:**

a. To **find out whether** the efficacy of γ -interferon and insulin given for 14 weeks is non-inferior to 28 weeks.

...

XYZ Virus: Optimizing Therapy and Evaluation of Factors Affecting Survival After Pancreas Transplantation

Specific Aims

The proposed work comprises three clinical studies in XYZ virus (COD) infection:

1. An open-label, parallel group, multi-center study evaluating the efficacy and safety of 14 versus 28 weeks of γ -interferon-insulin therapy in interferon naïve patients with chronic XYZ genotype α or β infection. **The study aims at answering the following questions:**
 - a. To find out whether the efficacy of γ -interferon and insulin given for 14 weeks is non-inferior to 28 weeks.
 - ...

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Specific Aims

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1. An open-label, parallel group, multi-center study evaluating the efficacy and safety of 14 versus 28 weeks of γ -interferon-insulin therapy in interferon naïve patients with chronic XYZ genotype α or β infection. **The study aims at answering the following questions:**

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a. To demonstrate whether the efficacy of γ -interferon and insulin given for 14 weeks is non-inferior to 28 weeks.

...



Compare with the original again!

XYZ Virus: Optimizing Therapy and Evaluation of Factors Affecting Survival After Pancreas Transplantation

Specific Aims

The proposed work comprises three clinical studies in XYZ virus (COD) infection:

1. An open-label, parallel group, multi-center study evaluating the efficacy and safety of 14 versus 28 weeks of γ -interferon-insulin therapy in interferon naïve patients with chronic XYZ genotype α or β infection. The study aims at answering the following questions:

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a. Is treatment for 14 weeks **as effective as** treatment for 28 weeks?

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XYZ Virus: Optimizing Therapy and Evaluation of Factors Affecting Survival After Pancreas Transplantation

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The proposed work comprises three clinical studies in XYZ virus (COD) infection:

1. An open-label, parallel group, multi-center study evaluating the efficacy and safety of 14 weeks of γ -interferon-insulin therapy in interferon non-responding chronic XYZ genotype α or β infection. The study aims to address the following questions:

Not clear yet in which sense!

a. Is treatment for 14 weeks **as effective as** treatment for 28 weeks?

...

XYZ Virus: Optimizing Therapy and Evaluation of Factors Affecting Survival After Pancreas Transplantation

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Not clear yet In which sense!

a. Is treatment for 14 weeks **as effective as** treatment for 28 weeks?

...

Switch items a. and b. !

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1. An open-label, parallel group, multi-center study evaluating the efficacy and safety of 14 versus 28 weeks of γ -interferon-insulin therapy in interferon naïve patients with chronic XYZ genotype α or β infection. The study aims at answering the following questions:

- a. Is treatment for 14 weeks **as effective as** treatment for 28 weeks?
- b. To evaluate the predictive value of monitoring of X-RNA levels at multiple time-points during therapy for determining which patients will obtain a sustained virological response (SVR), i.e. are cured from their X infection, when treated for 14 or 28 weeks.

XYZ Virus: Optimizing Therapy and Evaluation of Factors Affecting Survival After Pancreas Transplantation

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- b. To evaluate the predictive value of monitoring of X-RNA levels at multiple time-points during therapy for determining which patients will obtain **a sustained virological response (SVR), i.e. are cured** from their X infection, when treated for 14 or 28 weeks.

Defines treatment goal, but...

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- b. **To evaluate the predictive value of monitoring of X-RNA levels at multiple time-points during therapy for determining which patients will obtain a sustained virological response (SVR), i.e. are cured from their X infection, when treated for 14 or 28 weeks.**



... but the sentence is clumsy.

XYZ Virus: Optimizing Therapy and Evaluation of Factors Affecting Survival After Pancreas Transplantation

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The proposed work comprises three clinical studies in XYZ virus (COD) infection:

1. An open-label, parallel group, multi-center study evaluating the efficacy and safety of 14 versus 28 weeks of γ -interferon-insulin therapy in interferon naïve patients with chronic XYZ genotype α or β infection. The study aims at answering the following questions:

- a. Is treatment for 14 weeks **as effective as** treatment for 28 weeks?
- b. **Can a sustained virological response (cure from the infection) be predicted from X-RNA levels at various time-points during therapy?**



Simpler!
Now switch a. and b.!

XYZ Virus: Optimizing Therapy and Evaluation of Factors Affecting Survival After Pancreas Transplantation

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The proposed work comprises three clinical studies in XYZ virus (COD) infection:

1. An open-label, parallel group, multi-center study evaluating the efficacy and safety of 14 versus 28 weeks of γ -interferon-insulin therapy in interferon naïve patients with chronic XYZ genotype α or β infection. The study aims at answering the following questions:
 - a. Can a sustained virological response (cure from the infection) be predicted from X-RNA levels at various time-points during therapy?
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1. An open-label, parallel group, multi-center study evaluating the efficacy and safety of 14 versus 28 weeks of γ -interferon-insulin therapy in interferon naïve patients with chronic XYZ genotype α or β infection. The study aims at answering the following questions:

- a. Can a sustained virological response (cure from the infection) be predicted from X-RNA levels at various time-points during therapy?
- b. Is treatment for 14 weeks as effective as treatment for 28 weeks?
- c. To evaluate the association between pancreas histology as evaluated by the Cooper scoring system (modified IBC score) and grading of steatosis (i.e. fatty infiltration in the pancreas), and the therapeutic efficacy.

XYZ Virus: Optimizing Therapy and Evaluation of Factors Affecting Survival After Pancreas Transplantation

Specific Aims

The proposed work comprises three clinical studies in XYZ virus (COD) infection:

1. An open-label, parallel group, multi-center study evaluating the efficacy and safety of 14 versus 28 weeks of γ -interferon-insulin therapy in interferon naïve patients with chronic XYZ genotype α or β infection. The study aims at answering the following questions:

Expression is unnecessarily indirect...

a. Can a sustained virological response (cure from the infection) be predicted from X-RNA levels at various time-points during

therapy?

b. Is treatment for 14 weeks as effective as treatment for 28 weeks?

c. To evaluate the association between pancreas histology as evaluated by the Cooper scoring system (modified IBC score) and grading of steatosis (i.e. fatty infiltration in the pancreas), and **the therapeutic efficacy**.

XYZ Virus: Optimizing Therapy and Evaluation of Factors Affecting Survival After Pancreas Transplantation

Specific Aims

The proposed work comprises three clinical studies in XYZ virus (COD) infection:

1. An open-label, parallel group, multi-center study to evaluate the efficacy and safety of 14 versus 28 weeks of γ -interferon in interferon naïve patients with chronic XYZ virus infection. The study aims at answering the following questions:

...and the whole sentence somewhat clumsy.

Expression is unnecessarily indirect...

a. Can a sustained virological response (i.e. absence of virus from the infection) be predicted from X-RNA levels at various time-points during therapy?

b. Is treatment for 14 weeks as effective as treatment for 28 weeks?

c. To evaluate the association between pancreas histology as evaluated by the Cooper scoring system (modified IBC score) and grading of steatosis (i.e. fatty infiltration in the pancreas), and the therapeutic efficacy.

XYZ Virus: Optimizing Therapy and Evaluation of Factors Affecting Survival After Pancreas Transplantation

Specific Aims

The proposed work comprises three clinical studies in XYZ virus (COD) infection:

1. An open-label, parallel group, multi-center study evaluating the efficacy and safety of 14 versus 28 weeks of γ -interferon-insulin therapy in interferon naïve patients with chronic XYZ genotype α or β infection. The study aims at answering the following questions:

- a. Can a sustained virological response (cure from the infection) be predicted from X-RNA levels at various time-points during therapy?
- b. Is treatment for 14 weeks as effective as treatment for 28 weeks?
- c. Does the virological response correlate with pancreas histology (Cooper and steatosis scores)?

XYZ Virus: Optimizing Therapy and Evaluation of Factors Affecting Survival After Pancreas Transplantation

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The proposed work comprises three clinical studies in XYZ virus (COD) infection:

1. An open-label, parallel group, multi-center study evaluating the efficacy and safety of 14 versus 28 weeks of γ -interferon-insulin therapy in interferon naïve patients with chronic XYZ genotype α or β infection. The study aims at answering the following questions:

- a. Can a sustained virological response (cure from the infection) be predicted from X-RNA levels at various time-points during therapy?
- b. Is treatment for 14 weeks as effective as treatment for 28 weeks?
- c. Does the virological response correlate with pancreas histology (Cooper and steatosis scores)?
- d. To evaluate the association between body mass index (BMI) and the therapeutic efficacy.
- e. To evaluate the association between cholesterol and triglyceride levels, HbA1C, BMI, and the histological assessment of steatosis grade in pancreas biopsies.

XYZ Virus: Optimizing Therapy and Evaluation of Factors Affecting Survival After Pancreas Transplantation

Specific Aims

The proposed work comprises three clinical studies in XYZ virus (COD) infection:

1. An open-label, parallel group, multi-center study evaluating the efficacy and safety of 14 versus 28 weeks of γ -interferon-insulin therapy in interferon naïve patients with chronic XYZ genotype α or β infection. The study aims at addressing the following questions:

**Somewhat imprecise:
"evaluate",
"association"**

a. To evaluate the sustained virological response (cure from the infection) from X-RNA levels at various time-points during

therapy.

b. Is treatment for 14 weeks as effective as treatment for 28 weeks?

c. Does the virological response correlate with pancreas histology (Cooper and steatosis scores)?

d. To evaluate the association between body mass index (BMI) and the therapeutic efficacy.

e. To evaluate the association between cholesterol and triglyceride levels, HbA1C, BMI, and the histological assessment of steatosis grade in pancreas biopsies.

XYZ Virus: Optimizing Therapy and Evaluation of Factors Affecting Survival After Pancreas Transplantation

Specific Aims

The proposed work comprises three clinical studies in XYZ virus (COD) infection:

1. An open-label, parallel group, multi-center study evaluating the efficacy and safety of 14 versus 28 weeks of γ -interferon-insulin therapy in interferon naïve patients with chronic XYZ genotype α or β infection. The study aims at answering the following questions:

- a. Can a sustained virological response (cure from the infection) be predicted from X-RNA levels at various time-points during therapy?
- b. Is treatment for 14 weeks as effective as treatment for 28 weeks?
- c. Does the virological response correlate with pancreas histology (Cooper and steatosis scores)?
- d. Does the virological response correlate with body mass index?
- e. To evaluate the association between cholesterol and triglyceride levels, HbA1C, BMI, and the histological assessment of steatosis grade in pancreas biopsies.

XYZ Virus: Optimizing Therapy and Evaluation of Factors Affecting Survival After Pancreas Transplantation

Specific Aims

The proposed work comprises three clinical studies in XYZ virus (COD) infection:

1. An open-label, parallel group, multi-center study comparing the efficacy and safety of 14 versus 28 weeks of γ -interferon therapy in interferon naïve patients with chronic XYZ genotype 1 infection. This study aims at answering the following questions:
 - a. Can a sustained virological response (SVR, defined as undetectable X-RNA from the infection) be predicted from X-RNA levels at various time-points during therapy?
 - b. Is treatment for 14 weeks as effective as treatment for 28 weeks?
 - c. Does **the virological response** correlate with pancreas histology (Cooper and steatosis scores)?
 - d. Does **the virological response** correlate with body mass index?
 - e. To evaluate the association between cholesterol and triglyceride levels, HbA1C, BMI, and the histological assessment of steatosis grade in pancreas biopsies.

Repetition preferable to linguistically more elegant but vaguer "it".

XYZ Virus: Optimizing Therapy and Evaluation of Factors Affecting Survival After Pancreas Transplantation

Specific Aims

The proposed work comprises three clinical studies in XYZ virus (COD) infection:

1. An open-label, parallel group, multi-center study evaluating the efficacy and safety of 14 versus 28 weeks of γ -interferon-insulin therapy in interferon naïve patients with chronic XYZ genotype α or β infection. The study aims at answering the following questions:

- a. Can a sustained virological response (cure from the infection) be predicted from X-RNA levels at various time-points during therapy?
- b. Is treatment for 14 weeks as effective as treatment for 28 weeks?
- c. Does the virological response correlate with pancreas histology (Cooper and steatosis scores)?
- d. Does the virological response correlate with body mass index?
- e. To evaluate the association between cholesterol and triglyceride levels, HbA1C, BMI, and the histological assessment of steatosis grade in pancreas biopsies.

XYZ Virus: Optimizing Therapy and Evaluation of Factors Affecting Survival After Pancreas Transplantation

Specific Aims

The proposed work comprises three clinical studies in XYZ virus (COD) infection:

1. An open-label, parallel group, multi-center study evaluating the efficacy and safety of 14 versus 28 weeks of γ -interferon-insulin therapy in ~~interferon-naïve~~ patients with chronic XYZ genotype α or β infection. The following questions:

Vague. "Association" between which variables (two "and"), and why?

a. Is the defined virological response (cure from the infection) defined from X-RNA levels at various time-points during

the study?
b. Is treatment for 14 weeks as effective as treatment for 28 weeks?

c. Does the virological response correlate with pancreas histology (Cooper and steatosis scores)?

d. Does the virological response correlate with body mass index?

e. To evaluate the association between cholesterol and triglyceride levels, HbA1C, BMI, and the histological assessment of steatosis grade in pancreas biopsies.

XYZ Virus: Optimizing Therapy and Evaluation of Factors Affecting Survival After Pancreas Transplantation

Specific Aims

The proposed work comprises three clinical studies in XYZ virus (COD) infection:

1. An open-label, parallel group, multi-center study evaluating the efficacy and safety of 14 versus 28 weeks of γ -interferon-insulin therapy in interferon naïve patients with chronic XYZ genotype α or β infection. The study aims at answering the following questions:

- a. Can a sustained virological response (cure from the infection) be predicted from X-RNA levels at various time-points during therapy?
- b. Is treatment for 14 weeks as effective as treatment for 28 weeks?
- c. Does the virological response correlate with pancreas histology (Cooper and steatosis scores)?
- d. Does the virological response correlate with body mass index?
- e. Does pancreatic steatosis correlate with the levels of cholesterol, triglycerides, and HbA1C in blood, and with body mass index?

XYZ Virus: Optimizing Therapy and Evaluation of Factors Affecting Survival After Pancreas Transplantation

Specific Aims

The proposed work consists of a phase II study evaluating the efficacy and safety of 14 versus 28 weeks of interferon- α therapy in patients with chronic hepatitis C virus (CHV) infection:

1. An open-label, parallel group, randomized study evaluating the efficacy and safety of 14 versus 28 weeks of interferon- α therapy in interferon naïve patients with chronic hepatitis C virus genotype α or β infection. The study aims at answering the following questions:
 - a. Can a sustained virological response (cure from the infection) be predicted from X-RNA levels at various time-points during therapy?
 - b. Is treatment for 14 weeks as effective as treatment for 28 weeks?
 - c. Does the virological response correlate with pancreas histology (Cooper and steatosis scores)?
 - d. Does the virological response correlate with body mass index?
 - e. Does pancreatic steatosis correlate with cholesterol, triglycerides, and HbA1C in blood, and with BMI?

Perhaps possible to shorten even this far.

XYZ Virus: Optimizing Therapy and Evaluation of Factors Affecting Survival After Pancreas Transplantation

Specific Aims

The proposed work comprises three clinical studies in XYZ virus (COD) infection:

1. An open-label, parallel group, multi-center study evaluating the efficacy and safety of 14 versus 28 weeks of γ -interferon-insulin therapy in interferon naïve patients with chronic XYZ genotype α or β infection. The study aims at answering the following questions:

- a. Can a sustained virological response (cure from the infection) be predicted from X-RNA levels at various time-points during therapy?
- b. Is treatment for 14 weeks as effective as treatment for 28 weeks?
- c. Does the virological response correlate with pancreas histology (Cooper and steatosis scores)?
- d. Does the virological response correlate with body mass index?
- e. Does pancreatic steatosis correlate with cholesterol, triglycerides, and HbA1C in blood, and with BMI?

EFFECT OF REVISION

XYZ Virus: Optimizing Therapy for Treatment Naïve Patients and Relapsers With Genotype α or β Infections, and Evaluation of Factors Affecting Survival Following Pancreas Transplantation

Specific Aims

The proposed work is founded on three ongoing or pending clinical studies in XYZ virus (COD) infection:

1. The first study is an investigator initiated, randomized, open-label, parallel group, multi-center study evaluating the efficacy and safety of 14 weeks versus 28 weeks γ -interferon combination therapy with insulin in interferon naïve patients with chronic XYZ genotype α or β infection. This study is ongoing, and a total of 350 patients have been enrolled (Sweden 160, Brazil 100, Latvia 40, Scotland 50). The last patient will have completed the study by November 2009, after which time the samples and data will be analyzed. The aims of this study to be addressed at our center are:
 - a. To demonstrate whether the efficacy of γ -interferon and insulin given for 14 weeks is non-inferior to 28 weeks.
 - b. To evaluate the predictive value of monitoring of X-RNA levels at multiple time-points during therapy for determining which patients will obtain a sustained virological response (SVR), i.e. are cured from their X infection, when treated for 14 or 28 weeks.
 - c. To evaluate the association between pancreas histology as evaluated by the Cooper scoring system (modified IBC score) and grading of steatosis (i.e. fatty infiltration in the pancreas), and the therapeutic efficacy.
 - d. To evaluate the association between body mass index (BMI) and the therapeutic efficacy.
 - e. To evaluate the association between cholesterol and triglyceride levels, HbA1C, BMI, and the histological assessment of steatosis grade in pancreas biopsies.

XYZ Virus: Optimizing Therapy and Evaluation of Factors Affecting Survival After Pancreas Transplantation

Specific Aims

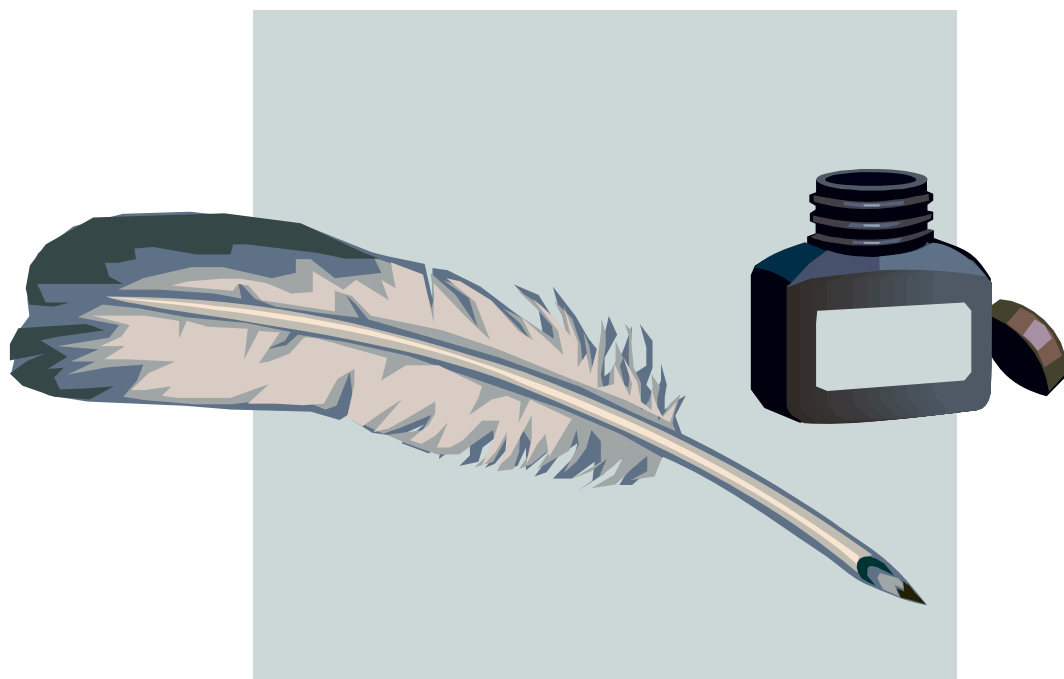
The proposed work comprises three clinical studies in XYZ virus (COD) infection:

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 - d. Does the virological response correlate with body mass index?
 - e. Does pancreatic steatosis correlate with cholesterol, triglycerides, and HbA1C in blood, and with BMI?

48 % less words, 45 % less letters. More convenient and faster reading.

Och nu ett exempel på svenska...

I föreläsningen följde ett antal bilder som kommenterade en delvis omgjord text ur en svenskspråkig ansökan. Dessa bilder utelämnas här av hänsyn till den ursprungliga författarens önskemål.



Slut!