

# How to write a paper

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## Title

1. Role of interleukin 198 for ACLF in NASH-cirrhosis
2. Important interaction of interleukin 198 in cellular compartments of hepatocytes, but not hepatic stellate cells, in diet-induced NASH cirrhosis developing ACLF
3. Interleukin 198 induces ACLF in NASH-cirrhosis via ER-stress in hepatocytes

- Catchy
- Concise
- Bring the main message
- Match with the Journal



## Abstract

- Background ending with aims
  - Very shortly: what´s know, what´s not!!
- Material and methods
  - key experiments, what makes your study special., points
- Results
  - NOT each western blot, lab value, comparison, each control group
- Conclusions
  - Main few messages!



## Parts of the paper



### Introduction



### Methods



### Results



### Discussion



### Outlook/Perspective

## Dante Alighieri

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“Through me you pass into the city of woe:  
Through me you pass into eternal pain:  
Through me among the people lost for aye.  
Justice the founder of my fabric moved:  
To rear me was the task of power divine,  
Supremest wisdom, and primeval love.  
Before me things create were none, save things  
Eternal, and eternal I shall endure.  
All hope abandon, ye who enter here.”

– Dante Alighieri, *The Divine Comedy: The Inferno, the Purgatorio and the Paradiso*

STYLE –  
Too vernacular  
Too primacy  
Too stupid



Everything in life is luck.

**Donald Trump**

I don't make deals for the money. I've got enough, much more than I'll ever need. I do it to do it.

**Donald Trump**



As long as you're going to be thinking anyway, think big.

**Donald Trump**

I don't make deals for the money. I've got enough, much more than I'll ever need. I do it to do it.

**Donald Trump**



Experience taught me a few things. One is to listen to your gut, no matter how good something sounds on paper. The second is that you're generally better off sticking with what you know. And the third is that sometimes your best investments are the ones you don't make.

**Donald Trump**

# STYLE – too long sentences

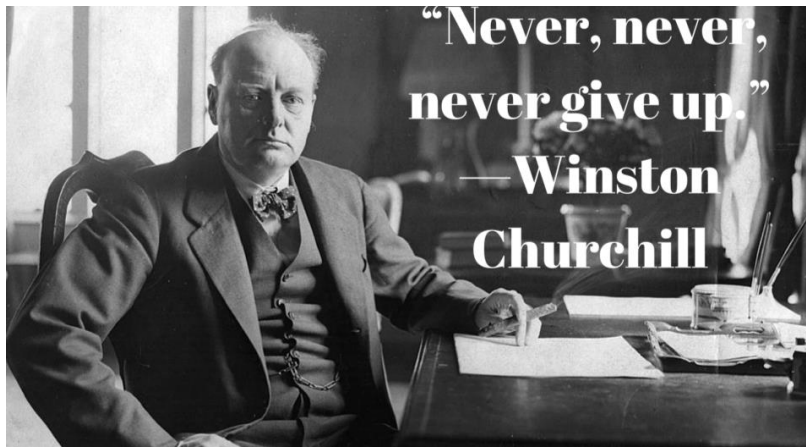


If the years of youth are experienced slowly, while the later years of life hurtle past at an ever-increasing speed, it must be habit that causes it. We know full well that the insertion of new habits or the changing of old ones is the only way to preserve life, to renew our sense of time, to rejuvenate, intensify, and retard our experience of time - and thereby renew our sense of life itself. That is the reason for every change of scenery and air.

Thomas Mann

Nothing is more curious and awkward than the relationship of two people who only know each other with their eyes — who meet and observe each other daily, even hourly and who keep up the impression of disinterest either because of morals or because of a mental abnormality. Between them there is listlessness and pent-up curiosity, the hysteria of an unsatisfied, unnaturally suppressed need for communion and also a kind of tense respect. Because man loves and honors man as long as he is not able to judge him, and desire is a product of lacking knowledge.

Thomas Mann



If you have an important point to make, don't try to be subtle or clever. Use a pile driver. Hit the point once. Then come back and hit it again. Then hit it a third time—a tremendous whack. —Winston Churchill

You will never get to the end of the journey if you stop to shy a stone at every dog that barks. —Winston Churchill



## Introduction

1. Liver is an organ located in the abdomen.

Liver disease has been already mentioned by the ancient greek...

Liver disease is common. The most common etiologies are alcohol,... The prevalence is ... the incidence is ...

2. Liver cirrhosis is associated with high morbidity and mortality... NASH is an emerging cause... ACLF is ...  
Interleukin 198 is ...



# Introduction

## Reduce complexity



## Introduction

Don't write a „Lonely planet“ guide,

but guide your readers through the manuscript.



## Introduction

### PREPARE FOR THE RESULTS!!

- What's known, what's not!!
- Why did you do it?
- Why it is needed for the field?
- Why it is important for the journal?
- Max. 1-1,5 pages



## Material and methods

### NEVER FORGET:

- Ethics
- Description of the cohorts
- Previously published papers on the same cohort
- Controls/validation for your key experiments, calculations,
- Definitions of key endpoints, outcomes
- Try to show the same finding/conclusion with different techniques



# Logic tense raising key findings

## Results

Find the murderer

This is the murderer

The victim



The knife



The finger print



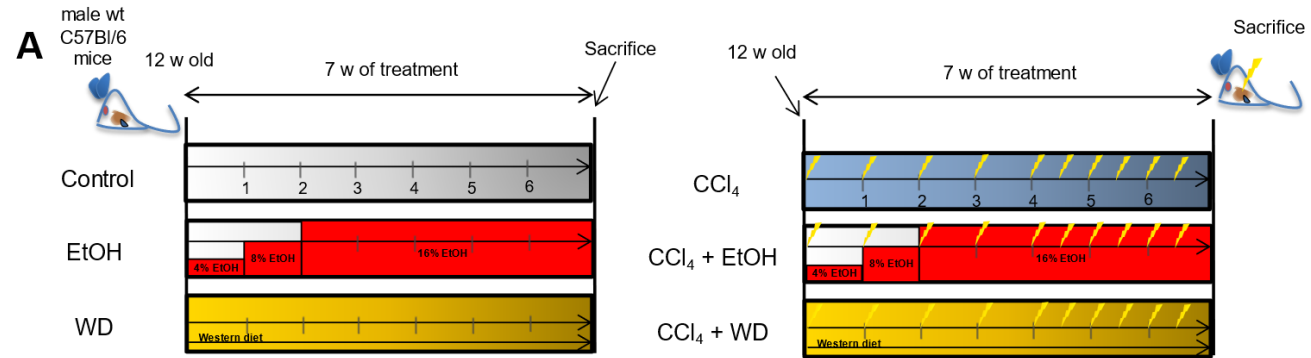
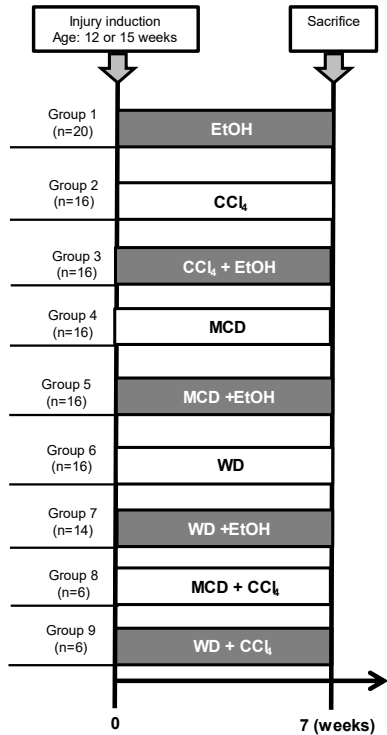
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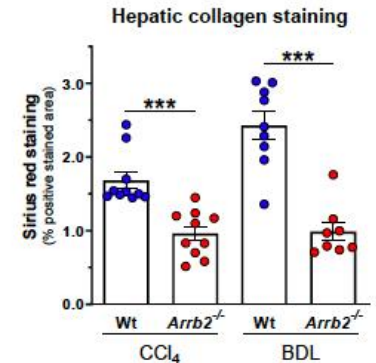
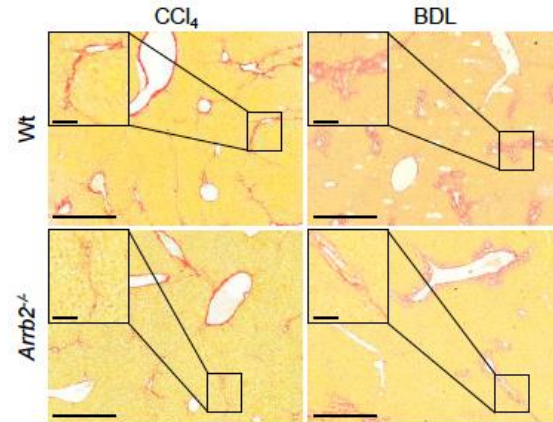
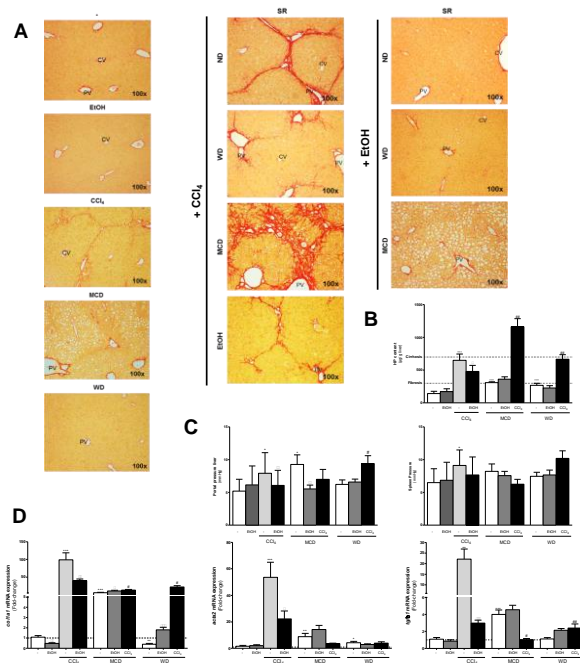
The murderer



# Figures



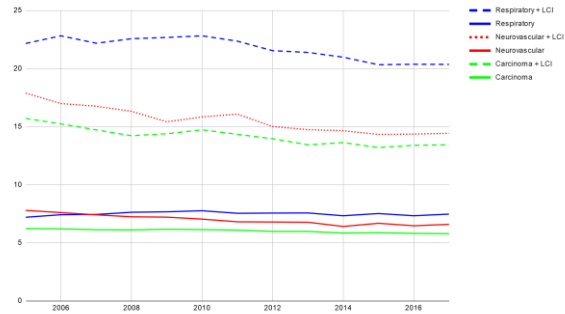
# Figures



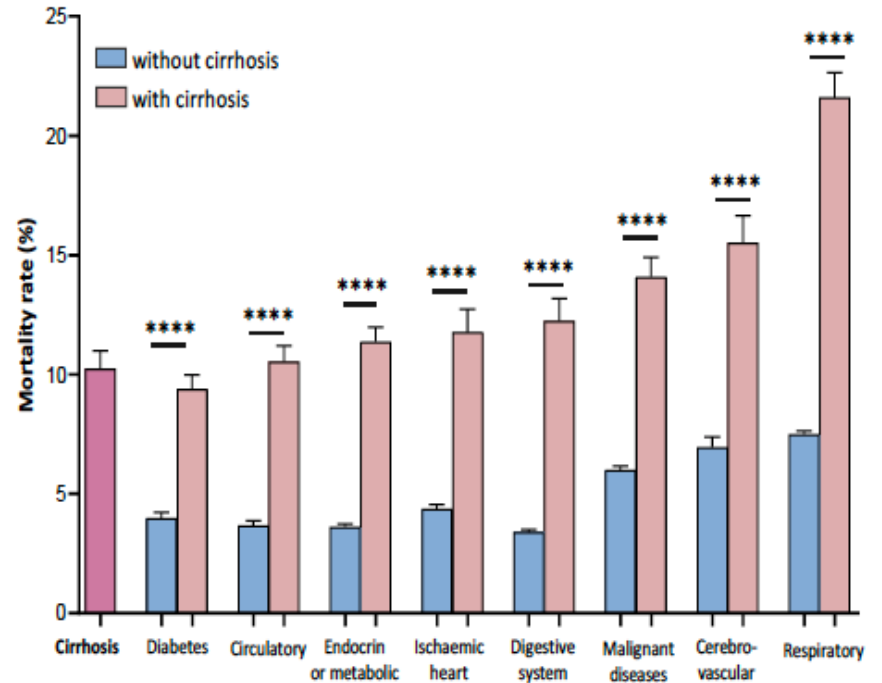
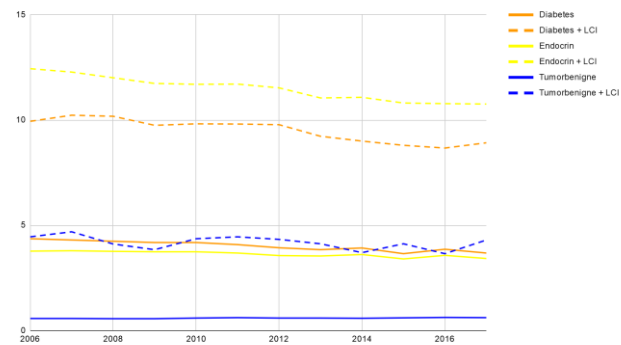


# Figures

Lethality of Carcinoma, Neurovascular and Respiratory with and without LCI



Lethality of Endocrin, Diabetes, Tumorbenigne with(out) LCI



## Discussion

### Don't forget:

- The reviewers are not your friends
- The reviewers may be your competitors
- Never copy-paste
- The readers don't forgive mistakes

### Always ...

- Try to summarize the key findings
- Discuss each of the crucial findings in the view of different opinions
- Highlight the limitations of your study
- Don't speculate to much
- If you do speculate, then clearly state it and be aware the reviewer may/will ask for it
- Don't write about things you cannot proof

## References

### Don't forget:

- **The published literature**
- **Always reference only papers you have read yourself**
- **The groups working on the field**
- **The different opinions on the topic**
- **Each statement needs a reference**
- **You can lose your title if you don't reference carefully**



**Thank you for the attention**

