We are going to fix new idea. New strategy to treat + prevent chronic problems.

2 yr ago - chronic cardiovascular diseases - you tend to lots, etc. Have your hands - doen't know if decontaminate can be done. If someone uses a chemical poison (toxic).

Did also if work - published - at least technical difficulty.

Is this a risk at end of year?

Is there a shock orпале shock - that could be used - psychological short term?

There could be a series of football unless - does human cause people access - let.

This paper being was equal time of fact. Having a number if people is decontaminated with falling exposure.

Still at later fall - can long term exposure likely.

May observed to the past - here where the came in known story can be in vitro.

Cnr Chief Scientist - Chris Hurley & (Nick Grant)

Note: how big is absorbed these few.

For method vs decontamination scheme - idea of course not yet will be published next year.

From a chemical themselves is heavy to develop protocol for treatment internationally.
the correct plan is the right approach. Of been
impressed into compounded result as of late and an issue
- strategy for testing.

Sion efforts - y i a standard - 51 of Gramophone horn
over a created in ads of great is getting atleveland(

This in play sheet is dressing of itself again.

Dear T Daily (Apologies for some of this form of this note)
- Martin Hill "(very) - gramophone which had been called
our - had overheard elsewhere.

Michael Keenan assured me that everything started out
for effective use.

Letter - immediately was at or saw and

I'm I got there was hope that the formula could
be introduced into practice. -> between the first mini project

Movement continued to x getting agent
Different getting again
Hard higher level of overha

Target in 8x standard level

This can be present

Scott Hello

Eoin Sunday
Improving our line for year 1987 further coming

1. Some lines have been dropped in quantities if
   a) bulk orders - gelling - required people is
      go i manually
   b) 2nd in house only - canceling - no other
      effect of formulation
   c) first run shown by very few for self
      product

Angela body feels decline in very luke warm (head of

Confirmed lines no long in total for development

Once in 1986's & now did not make any gelling after

About MCC categorically send - dragged medium program

10% formulated - default formulations with medium

1-2% of sucrose (max 0.25%)

as a 10% formulation

Flow from bench

At MCC meeting in October have 1988 decided to go

into magnesium 100% or end chain of waste - magnesium

may used

magnesium t - 10% formulations

The once 20% with normal sucrose + normal gelling
He led to possessions & written notes

However & - 50% - we were telling about 151% -
50% of our

would not like we put our own paper

would like more gel + more moisture.

They need - learn & find specification

little linear - there are preferred paper &

irregularly 

not Korea: as we well know as from

were slightly better than Grammen - had some

benefit

in threshold effect

If we first written - we more before nothing that this

was dropped.

tiini + Geoff - don't worry for we will develop

a high gel + high moisture formulation

03 - first day trials - not seeing degree of separation

that does product make to able to get a channel

for this product? No idea.

France - Bruno Leclerc - discussed in 1980 - turned that
+ Geoff - said to producing them not to drop

peroxide - Prof. Leclerc (Comitee de Pauque)
- High energy problems in Cumberland - farm -
  reform - had feed - worked -

- was base - introduced powdered formula -
  + high ambient powdered formula

- surprise - eventual

- 6397 - high - ambient - weakened

- generation of peptidase?

- FDA gives the data to save support - if needed.

- 6397 - going to be a blockbuster - did multiple clinical trials - lots of volunteers. Have noticed
  incidence of vomiting

- have begun use

- high protein - going to produce daily / weekly
  capacity at Hadfield

- John Murray declared that it was too expensive. Had to debate around the cost of doing this.

- 1.6% above standard PPA formulation

- FDA does not require this

- Japan - shipped formula down to FDA office.

- in global standard -

- FDA gets data - it, why was this not been amended
In depth of knowledge.

At 2008 the space program was air which was vogue.

This conversation is not with the conversational mechanism where others are.

Among this is very new.

Because of its importance is seeing.

brought upon today.

This is nuclear-weapons everywhere.

This is global war.

Our nuclear warheads everywhere.

No happy of the other warheads.

This is bringing forth the other warhead.

The killing is significant. Don't want to be in a foot.

Here this has to be buried for.

On a scientific basis - don't you guys try challenging me.

Before this year all of company I want you challenged me.

Here to face. Pat Heapsky - Andy Ganser was

And experience at Cleveland.

He asked Andy Ganser. Do you know anyone

who knows where I found - where does she send,?
Another group was for the Keats.

Col F A. Penny

I know we have close system.

I know paper we should improve on. Strong

More - I believe because level of

is far down.

Exhibit 1 - Fact 1976 report 3. i reason.

It was original

First I = Renewed.

Second I = Renewed

This is a copy of signed box from the coming.

Forgot it as a true back. I could not take it

An intentional effort to highlight problem

4.

Date of report is never in library of file.

Given over by people at CP to enquirer file. As well

as signed reports I very unlikely correspond

behind where. Next, gosper.

don many receiving around the world - 2c1 is put in

an, emeru your live gold dust.

A report - they say meeting + immo, response.
for some time - does response in different areas.

Josef from Gregor 1973. (Alex Gregor - head of safety +

unsupported cost of earth is 46% - 11%)

Geoff 1974 + E worked below ground + reader.

"majority used instead of "about 70%" (minor changes)

1976 - ready intended to company as something

www made available in farming by CP's leadership.

SAC 1979 - Agricultural Bond, - approved by House.

Executive Development Committee

Future 3 level of ascension - several their 796 shall

be added to grammatical at the right level.

0.05% weight for new, - this is expected to provide

quantity & lower of regeneration by the majority.

(of depleted store)

No risk farming result from 25 ml to more.

Harvest mostly 50 ml.

Used Lisa study as expert.

Continued further study was not necessary - for this

was good enough.

No worry about soilology of 796.
Dear [Name],

I wanted to share some new results from our project. In the last report, we discussed the preliminary findings. However, upon further analysis, we have identified a significant issue.

The root cause of the problem is [brief explanation].

To address this, we have implemented [solution details].

As a result, the overall performance has improved by [percentage].

Looking forward to hearing your feedback on these changes.

Best regards,

[Your Name]
Nov 21 - 1990 -
removed request a meeting
Grades include a number of oral exams
0.5% recommendation

Law

Dear [Name],

All those involved please hear this.

Are not satisfied - so -

Please let me know as soon.

Jim Howard is suspicion until he told (1991) -
he did not want to hear about this again.

Gary [Name] knew someone, worked
pos in [Name] county did not want be
we did not know why.

Key person of information is a Pharmacists report

Both going through PAA or Hodgson

Can find upon request a track with all files.

Inclined:
not planning to come to this meeting - prefer to discuss
with foundation - as part of the team.
5.9.70

The 3.5 → x affected rules -

Lead 3 differences - data omitted.

The average 4/37 units response has replaced same from a 0 response.

4/37 would be 0.3%. 4/1836

New entry 2.5 mg, data reported it is var
8 mg/kg - 2 hour to something has been ignored.

Induction of ED50 is difficult.

990:24 to disagree with 990

down side for previous reasons has not been justified completely.

Lost findings remain unchanged.

Use the rate before hard paper.

Erroneous text in Th → ? circuit in this experiment.

Old errors - check + new ones agreed with TH view.

Leverage on.
Hand to Louise 1 Nov 1970.

By doing change -> This should have been
(I assume)

but did have deemed to need for their data later

firm replaced in January 1970.

By 1970

-> H -> Hf -> completed required paper.

will ensure matter replaced with the

known.

Everyone agreed on note above.

April 1971 Hf -> J. Tregur

+ 

Sir should review all feathers ->

do with recommending

Paging you to Shepheard:

I Geo. Hart

Please remind the partners to submit from data of more & send a new recommendation soon.

Comprehensive, Continuous & Forward Planning

1991 -> Drew -> day 20th Carry approved it Exce.

1991 -> I expected Head of Anti Rx. -> Carry high
Crazy + not had a feel message. A number of members.

Gene obviously needed n° on behalf this.

of sum in wrong; thin - implications for carrying
-> varying amounts and not work; from;
implications to business or that need to be
managed carefully.

Conversation with Gene.

Rajiv & I share with that - being moved
to pharmaceutical did not expect a reverse.

be moved to pharma some time after 1991.

has not reported so.

hears if I have new idea, other than this.

even again.

deal to had -> endless this channel. -> more
frame aware this - big issue here

there 37 came from?

wire more - left same of new note - correspondence.

which data -> copied to Triggers,

at 1000 sets - not many submitted.

recent report by single number (so how)
Long-term bone study to provide evidence for bone.

At least reason was the core.

But he detected that it is more or less not the same in man.

Does response curve not matter.

Q3. When JP named it when received report
and did not tend to get things cleared
before write it with and after review
then upon home comments.

Glyphosate cause - great worry is not to know it glyphosate thing.

He said the did not tend to get things cleared.
He wet instead to fear reviewing the paper.
He did not believe that he was part of paper
so forest fire down.

Then did it stay gone? in 1990.
So where if (1) came from.

Are you sure he said select it because they were better quality data?

He pretty maximized if there was pressure put to some of the report.

His response to did not want to go through data
I focus on magnification.
France data hyperr & others:

How magnesium + when -> It was kept well on
the back door.

Ps: Always remember that

- Need to keep it to yourself (5%)

Confidential -> told to keep confidential.

Council recommended + letter -> Erhead [???]

Low product used because wrong levels.

From 1995 -> hard

Stk observations forced to use Errata of most questionable
began this back due in wrong.

Then went to TEC -> 5 fold aware

Felt no merit in this block we could not
record [3x]

Looking at turning and S curve, we will not
for want of getting things right.
be associated formally with internal bone gase.

As you can see, we might get further attacks due to advanced

What goes on?

Scientific decision.

in nature as sense of committee of enquiry.

to committee for further examination

efficiency of serine.

we explained

to one - hear story - Japan or Disease and

we believe on efficiency of serine.

Any increase in enzyme would have significant con

sequences.

as:

France - regulation limited to 40g/l.

formally.

Why did we make the 2nd field increase?

Some of people did know what was going on.

We got robbed of - held by three -- they顺序

by whom would be informed.

Chancellor invited to lunch - 1991 with a "Do you know

anything more?" - Yes: "Please - tell all

I want to hear passages."
We now have a situation as if we were human

to need to do something about it

organ size is our key factor of 10, 

躲在 for now - general is wrong

pi: We don't imply general well passed => we are

more precise

It needed to be extremely increased in the last
big dog - reasoning and a level down

between three to five.

Ok: if there is enough force a red light

It: with benefit of hindsight -> [possible to
weight of evidence?] - we could have made

deal in height level of evidence - but

some of assumptions from modelling / dog

is it and no comment on all in the original

report
It's not so clear before it went over.

It's expected to be in a closed state.

If it causes more accidental poisoning?

If it causes more accidental poisoning.

A change from means to another way of doing things.

Need to have in action from running

Your gong is wrong than life itself.

Then all.

May be an edge in 1984/5 to want to loosen.

It may be another kind of today.

Think of those mistakes we already made it worse.

Do you know yet it won't.

What do you think should be done?

Need.

Is 1080 issue should be changed.

Is there

Effective use of and use.
Recent Developments Act - if there is a change in health you have an obligation.

It just that he had off loaded the issue.

We said that any evidence those staff exposed are unwarranted.

could be jeopardized because we have more on advance on the safety of the product.

Only for people involved.

Not for i: i: i: i: i: i: i: does not know

Only for explained it with ni: ni: ni: ni: matter.

effect, donor, 3 break.

Now to quit opportunity of weyz will you to... ask my your need.

But: i: i: i: important to begin.

Case factitious transfer.

If nothing is done what concerns we in the past.

The fundamental is that the fund the many times.

Strategy as now is closed tonight.

So go home because next canister is future.

To see that no one compromises quality.
The house deviates in the past.

We argue that we should not be inadvertently forgetting people.

Her small gesture has never fallen short.
   → change / pattern

It is next to California PTA

ends of Coca Cola Cola

use of container system in part.

The container is still small in US, not accessible except by stack & kip

Ok, To me - that engineering does not affect JI position.
   we are talking about human employ, &

the think the steep change comes through this
   technology, rather rather, keep fundamentals,

Ask not government concern about climate

level in product a 10% too slow, Specifies, I
   please determine

PSI really is agree with your position. → another reason for

pass eventually

IE: Henry, infinite, expanding the system
   close systems

48 sounds: Dale, John Frenzy.
PR: We are investing money in prevention rather than cure.

California: Chet,_cp

TH: we can be more concerned with medical care than does.

TH: Cancer blame has stagnation as it is.

TH: No one really wants stagnation. Can come forward.

TH: If we're a protest in 1960 to removed of emeriti

TH: statement. It would not help a human safety.

TH: The limit of emeriti doesn't work.

Keep being you guys have to manage.

TH: Get to offload the full reconsider - was for on

my family to leave here.

TH: Only visit (mother in law) -> coming in May

TH: After Rui meeting - never if to be managed on

pharmaceutical basis - i determine to ever settle

in Rui.

TH: file an STick

Get to be a more positive got to be comfortable.

The pharmaceutical effect have been managed.
At: best using your ego - peace when we keep control and prevent supposing to others.

"Agitation"

Eye potential route of meaning of circuit

Ph: could we be wrong of not doing enough.

"light step - the wrong direction"

Ph: Can't help a point - Faux egotism thing.

It: Their

\[ \text{Bob Harris (NJ#)} \]

\[ \text{A Movie + Happy = 90-minute request (late 1970s)} \]

\[ \text{-> no now} \]

\[ \text{nothing} \]

\[ \text{no reasons given} \]

If NOT transferred by anyone.

Sign/come

Due diligence -> was this not transferred?

It: "Lost the 10 yes" position.

Entry appears too just enquiring in this to get means to stay or confirmed.

It can memory is this many.

Have to have management commitment. Memo to now and copied - Bob + Stuart
All people in need should have basic income.

Please no harm or slander me.

Next steps:

- Can someone go into police to confirm?
- Can we refer to this breach we have here with another
- Case numbers/what in my notes here - not sure what he did

John - 4th Unit on Force

11/21/18: Breach notice - 5 years do not fabricate data.

Regulation 85

- 3 pixels of another dog survived.

(Originally reported by a vet?)

The expected 86

All noted. All of evidence in question.

How can SELM? Forensics & ATF contamination.

"It's really solved the crime."

It's familiar - no infringing

inearched evidence that much more is in evidence among this society.

How I was told go ahead to reflect

I must correct from Bob Harris -> Deb

It alleged intention from Bob Harris to destroy the file on me. It be found on

the pole in front of the Newport cannon.


More pages in progress... understanding has improved.

I was not sure if after... need to change or not.

My goal is going to be different conditions until then was unclear.

"Conversational response - don't want to do that."  

She says - did not seem with my feeling. But can be very been there.

Her good enough evidence.

In behind the power studies regarding between oxygen.

Date gone in 76.

Importance of plasma protein concentration.

Grew 1 cm in 5 days average change.

I was unsure.

Decision to study it.

Any new "clear consensus.

Is concept more conclusively effective of it in humans.

Please attention to detailed reporting studies.

There specific study should you carry out to answer the question.

Final interpretation:

- People do seem relatively frequently - children is good as making you remind.
- Good example - every just does not have given.
New analysis of 17,976 human cancer data

Low impact

Few tumours of donor giving 56% chance of varying 5% errors = 10% or 2

Recommend to continue with 30 minutes/week of care.

50% mortality at first DTL

1 to 3 days preop (14,000)

Harrington & Loess in hypophysectomy (eg FEST)

- initial sympathetic response
- secondary sympathetic response

FESI failed to getühlala or SkOste for 1 week.

Just after finishing.

Secondarily failed to get interested in FEST again.

Tom & Nancy - 40mg phenytoin.

Tried with writing a report.

Tom: toby - nothing happened.

Says he feels better after doing drugs.

This alone got cancer cells to COX.

O'S on recovery.

Genitalia has been pulled.

Inter 3% enema + gel rather than 5% enema. No big done to keep

enema fluid down.

Got 5/10 fixed up because the current 140 mg spain in waste

SYNG-PQ-29298756
For study and to identify level of anaesthetics needed to induce
myoclonus in 58% of cases.

Original data report

No specific answer on ideal level of anaesthetics needed to induce myoclonus
response.

Box score came from original report

Michael Petracchi, SAS (white box)

4/17 - Salt paper injected across PBR

Nov 5th - showed 1.956.

4/17 - 

Cocks = Huntie = 3 volunteers - no vomiting.

15 - technical details - what we should be trying to eliminate.

For: we need to eliminate nos to deal with accidental death.

For - I propose: 4 anaesthetics: accidental & deliberate death

No improvement that might elicit (it products should be evaluated

(15 or not we have lost valuable before)

Recent EPA - calcium and magnesium accidentally

[Handwritten note]

It is company has endorsed - need of anaesthetics Bruce lost was
delayed production.
They knew that their data were fabricated.

In the long term, they were not prepared to grow basic and

FACO kept Company costs in check of 1400.

It sometimes bit and not for dinner.

FACO specifically not based on ROI, but cited Meredith & Veal.

II - (especially did work in BN bank)

FACO specifically - just FACO span their wings to enable - best use

generalized forms of purported

- same 300

- FACO span based on Meredith & Veal

FACO span, from clinical data next to PROspect.

15 to a date which come

- completely fabricated to make more dead devil monkey

fit.

But a pretty poor data set - you come up with similar conclusions.

as above.
The specificity of what is effective does not mean it is incorrect.

It's not anymore.

If you were the 50% of patients vomiting 30 minutes.

Then you to bottom end of curve, that's

7th - Stephen making a point knowing with no difference

level of amniotic

He has been coming with longer data

& how we mis-read the data.

Japan 

As the Company plans for getting everyone's respect & note & mini

having the event worked towards that we are defending the world

level of amniotic in 2014

. If want to do something about accidental care - should ?

level of amniotic

Lots of people were complaining too much amniotic i.e. etc.

50% of cells are - how do we stop pattern vomiting?

really worried about people vomiting & causing damage.

In terms of dual pattern amniotic - had a lot of problems

from clinicians

- Cleaner from Michael Vail to be amniotic - TH working with Michael

Vail
PS - you just said we understood, some of those here - we don't.

KT - 60% with love

If have a representative who 60% of people volunteered - it will be the target.

If want to treat the bottom end of the court.

Another reason - those who take a large quantity of pain.

15 - planned paper - has an early concentration of process - The plan?
-
- promised at day meeting.
- see the go distance close out of Cody - 30 minutes.

15 - see the paper who comes from to distant to reach consensus.

TH - agree that understand when - we're reporting this to London.

TH - everyone was a representative file to their data actually demonstrated.

TH - when look at the decision you have to build in what was going on -

can't spend less of money & a product that is absolutely not guaranteed
to make a difference.

TH - France - it succeeds, build it to better data.
At - not able to get data on 'Drugs' formulations.
TH - understand, was they meant to make a difference - unknown - early 1980s.
15 - early 1980s - was for product manager.


With evaluated factors in pet brochure - did not work.

**8868**

15 - not sufficient evidence to prove at 0.05 or a 1% level.

we believe you have for being so clever for getting the dose right.

1985 - lecture that evidence of my permission (mid 80s)

Frederic Fersen 1971

Technical reason why magnesium did not work.

**ankan --> do we know why 3k in India.**

For human - safer formulations possible (may - 1990)

**Magnesium 5k**

Mean --> have way in which is protected you.

All of human with first suggest use about 1 gram of another

place at Huddersfield. I have another prime came on stream in 1996.

Enquiry never took place (graphs, 4/317)

15 - problem in you keep coming back at 4/3/7 - as always for everything else.
18 - that happened early on it irrelevant

19 - with benefit of hindsight a better programme could have been made out from the poor data

20 - of note that a wrong could have caused a loss and if

21 - influenced by authority on basis of loose ending

22 - A 180 to refer is incredible + valid

23 - but of our regulatory discussions was based on loose finding

24 - I could use human data to conclude it was a good outcome

25 - does not mean there is right level of outcome

26 - contingency of that would work

27 - that does not good question

28 - that they wanted - independent agency

29 - review evidence to learn at right amount of outcome

30 - How did exit make 0 5

31 - as a guess

32 - that firm

33 - long-term of the reaction 25% of people reacted

34 - have been in favour to very level of outcome too late

- Staff will be angry over the continued dummy over level of outcome.
Informal reviews of regulatory commissions within the

Context of representation changes was noted in this study.

Proposal prior to formal review recommended addressing Section 64.

Let's think about this:

- Make up to 5% after the agitation ceased
  (Magnesium)

Further, I had a gentleman agreement for this: he was
accept to this stop if this sort of metabolism could
be turned of

if said original diagnosis was fabricated

How could this be prevented externally

Fax/regular

KT - Possibly by over interpreting the data we have and of
a better place with

Ke - Mine was - not stupid - depressed when he found out that 1976
was working

19 - Data (1975) support but we know that we had to figure
- It presented 1983/84 should have
- No doubt
- Smaller increased 5% with Magnesium
by 1980 companies were not relying on 1975 data

lawn for note making with analysts because agreement
with Ben Friedman

It was never showed at the lab notebooks from four box

- First claim was agreed that the dose response is wrong –
  “it has been fabricated”.

- Our discussion about level of emetics I am still
  sure there's a lot and of the worst.

- no sure there is level of emetics being used

0, 0.1  500, 1000 ft yields and regulatory support

of evidence.

5 Sept 1990 - demo to Le

fact that human data is misleading

Atm

4/37 was replaced as 0/3 response

4/ 

IT = 0.05 and being used now.

It's sooner we get a grip + with the regulatory authority to say

that the original data was wrong.

15 challenge is that we were able to decide when

the message is regarding the

IT - no evidence from SLT from Johns - no replies from Bob
Perdabranu - who asked
TH - Complete disengagement between Jnr & DH ?

Why would this happen?

- Bring down E&A
- Bring down the company

Confidential - ask what happened on 15th January.

TH - feels uncomfortable going back to E&A & company.

LS - End April 1991 - company never stopped doing anything

 been our major escape mechanism.

TH - If go back to colleagues w/ E&A -> saying Ben Read (EH) ->

E&A have got all the data.

Eunice in Paris with TH. -> Category 4 ->

If have Deliveries with E&A to TH uncomfortable about this.

TH - obviously not apparent to what has been said.

LS- suggesting there was no intervention of some of their concern.

let's have a meeting please give level of concern.

The old dam is dying me wants end.
From a safety perspective it seems that not all of the
issues to expected.

- Lot of concern
- Lot of ongoing work
- Very uncomfortable about that.

I did not know if I had seen previous

```markdown
In majority of incidents would be
based on the usual procedure.
Do make up or reply - I am an early part - would also can
there be proof or regulation
```
```markdown
Can also be there
```
```markdown
Get evidence/original documents - reason is bit + other.
```
```markdown
Next day or 2 pages together + S. Know there - potential
```
```markdown
benefit = the day end of the day response went.
```
```markdown
```
```markdown
The consequence of these would be
```
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```
It is unlikely that increased efficiency in performance could be

be very worth.

Can we answer specific legal questions about regulatory

requirement? Let's discuss our original goal.

We might want to figure out some way to reduce the

behavior. We could not demonstrate 2x.

Told us the problems causing problems with halon.

If you were to put in BH4 away from the roof, it

hitting to be better.

Note that idea not paper tests the control = D up.

What are we going to do about information for regulators?

What am I going to do?

Not sure what we need.

No definitive level or mean:

Meet Fino again for another reason.

What is the best reason the

beginning of this? Have said consider what the claims

need to be based on. Argument for including the

measured
I really hope we need to have with Dave French + Turpin instead.

Have to cut some quickly now

> new press & pod
> office of technical programme colleagues

I am an old person

Agreed the claim is wrong to career is the damn wrong

Money through INCA & others.

Drew Kohnke (GFA)

Technical papers registered in Derna

Do # reveal work needs to be completed

By March 2010 will be directed in terms of

Jesper Gram & John H have a few ideas - Synectics

Andy Graeme -> complete taken him: 

(Place)

Responsible for DP going to KCare.

He says Gilmore's data insufficient to determine importance.
lady came as said Mike once almost came to
find myself a job.

It thought would have put a case formally happens if I

My good friends to children of TH.

To worry to here that the stool of today is

Then he said that happened to lose sight may

Regan dinner:

L50 knew AE & MH and was given a call.

I7979 chat at dinner to present

raised

Why were \\\n\nn\n
in 2006?


"Be sure to raised three in 1990."

A heard those guys & had the roof.

Then there were seven hear.

Early conversation with seven regulations people -

more from the above.

TH do you understand need to inform regulator?

Well need to give all these to regulator

Feel so much better when TH has write letter to
One of your employees has made strong challenges to your selection criteria.

We have spoken to CEO of Crop Holden.

Andy Jones - agreed "fabricated data."

Not just to evidence presented at the time.

Evidence to suggest this data was fabricated.

Andy Cook - spoke about letting him in the meeting.

Took screen shot.

We need to make CEO aware of incident.

FB - no one has spoken to Geoff Willis.

John Doe was very aware of conversation regarding

Andy Cook gone to the bar (with lawyer)

- Formally filing by way of police + feeling slightly compromised.

FB. Note that we have been told no.

FB. Not sure what the EPA would do.

This is the situation that has done a whole damn

Hard for us. But you will go ahead.
Addition of the Emetic Agent PP796 to Paraquat Products

Jon Heylings

Dermal Technology Laboratory Ltd
Keele, United Kingdom

Why has the Emetic concentration in PQ products re-surfaced now?

- Department of Health project won by DTL (2018-2020) to assess the skin decontamination of Methyl Salicylate (hydrophobic) and Paraquat (hydrophilic) poisons
- Review of the toxicity of the chemicals, lethal dose in man, oral vs skin exposure and prevention measures currently in force
- Collaboration with PHE, DSTL at Porton Down and Technical Review Group of Poisons Experts
- DTL acquired radiolabelled PQ and is studying the absorption from various formulations
- Reviewed the current status of PQ Registrations in 2018 and FAO Specifications for the Technical Concentrate and Gramoxone
Paraquat concentrates must contain the triazolopyrimidine compound PP796, as stipulated by the FAO for agricultural pesticides.

Important that it is included at an appropriate concentration in order to be effective in human poisoning cases.

The FAO specification as required by EPA/PMRA stipulates that "vomiting must occur in about half an hour in at least 50% of cases".

For the US TK (320g/L) the PP796 concentration must be at least 0.8g/L. This is equivalent to 0.5g/L (or 0.05%) in standard Gramoxone which contains 200g/L paraquat ion.

The ratio of 400:1 (PQ ion: emetic) is based on an estimation of the effective dose of PP796 in man by Rose (CTL/R/390R) in 1976.

This was ratified by the Agrochemicals Board and published.

Surprisingly this has not changed since it was pointed out that the emetic was ineffective in animals and human poisoning surveys back in 1990.
SPECIFIC ACTION OF PEETHIN IN MAN

Data from Table 1 (CL12/769)

<table>
<thead>
<tr>
<th>mg</th>
<th>mg/kg</th>
<th>0</th>
<th>1 vomiting</th>
<th>2 vomiting</th>
<th>response</th>
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<tr>
<td>1</td>
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<td>0</td>
<td>0</td>
<td>0</td>
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<tr>
<td>2</td>
<td>0.03</td>
<td>2</td>
<td>0</td>
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</tr>
<tr>
<td>4</td>
<td>0.06</td>
<td>2</td>
<td>0</td>
<td>50</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>0.11</td>
<td>1</td>
<td>1</td>
<td>100</td>
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</table>

Complete Data from Clinical Report HU0493

<table>
<thead>
<tr>
<th>mg</th>
<th>mg/kg</th>
<th>0</th>
<th>1 vomiting</th>
<th>2 vomiting</th>
<th>response</th>
</tr>
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<tbody>
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<td>0</td>
<td>0</td>
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<tr>
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<td>0.015</td>
<td>2</td>
<td>0</td>
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<td>0</td>
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<tr>
<td>2</td>
<td>0.03</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>4</td>
<td>0.06</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>8</td>
<td>0.11</td>
<td>3</td>
<td>3 (at 30 mins)</td>
<td>50</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>0.22</td>
<td>3</td>
<td>3 (at 2 hrs)</td>
<td>100</td>
<td></td>
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</table>

Possible side effects

These are shown below:

<table>
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<tr>
<th>No.</th>
<th>dosage</th>
<th>Possible side effects</th>
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<td>0.25 mg/kg</td>
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<td>1.0</td>
<td>1 mg/kg</td>
</tr>
<tr>
<td>3</td>
<td>1.0</td>
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<tr>
<td>14</td>
<td>10</td>
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<td>15</td>
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<td>15 mg/kg</td>
</tr>
<tr>
<td>16</td>
<td>15</td>
<td>15 mg/kg</td>
</tr>
</tbody>
</table>

The half-life of PEETHIN in the human following a single oral dose is between 11 and 15 hours.

In some subjects, a slight fall in blood pressure although not severe enough to cause any harm, was observed during the 4 hour period.
Mike Rose's Lab Book with a hand drawn graph of the human dose response to PP796, fitting the Pharm's volunteer data between the primate and pig CTL data.

Mike Rose's lab book annotation to generate the 11% incidence of emesis in man at the 2mg dose.
The 4/37 (or 11% value) is based on 4 volunteers vomiting at 2mg but not taking into account that they didn't vomit on the subsequent occasions they were given this dose. There was no emesis at 2mg in either of the 2 Normal volunteer studies. This should be 4/1356, not 4/37 in any case.

The ED dose response for the emetic and the LD curve for PQ are both quite steep. Unique position of having both in multiple species including man.

Bringing these together by either diluting the product or raising the emetic to an effective level in the current product is likely to provide a significant improvement in survival in both accidental and suicidal poisoning.
Safer Formulation Strategy

- No disagreement that a higher emetic concentration in paraquat products should be evaluated.
- Magnoxone delivered the PSAC requirements. It contained 5X emetic built and higher gel built into a 200g/L product.
- Cost constraints of circa £30m /annum plus a new emetic plant forced a reduction to 3X emetic (1.5g/L) and lower gelling capacity that were finally used in Inteon.
- Improvement in survival was demonstrated in Sri Lanka and was in line with expectations.
- A new Inteon with 2.5 g/L emetic would further improve survival but questions would be raised on the selection of the original concentration of 0.5g/L.

Recent publication from EPA shows that there are still a significant number of accidental poisonings in children. If an effective emetic concentration had been present in the product that met the FAO specifications and regulatory requirements then these children may well have survived!