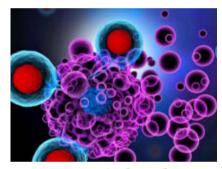


WORLD EXCLUSIVE Thenewmale birthcontrol gelyourubon yourshoulder







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hope will herald a new era for modern relationships and transform sex lives across the world.

British couples are among hundreds worldwide trialling a pioneering form of contraception -

designed specifically for men. If it's a success, and early results are good, it could be the first nonpermanent male contraceptive to become available since condoms were invented more than 400 years ago.

The treatment is a hormone-based gel, clear in colour and the consistency of hand sanitiser, that's applied to the shoulders every morning, where

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it is quickly absorbed by the skin. Within weeks. the user's sperm count plummets and – once levels are low enough – it can work as a couple's only form of birth control.

Experts say there are few, if any noticeable side effects, and they hope it will work as well as the Pill, which is 99 per cent effective when taken perfectly.

The landmark international trial is already under way, and the results could prove revolutionary. Now, two couples taking part have spoken exclusively to The Mail on Sunday about their experiences.

John Vandesquille, 30, has been using the gel since May last year.

John, from Manchester, who works in marketing, signed up for the trial after his partner, 28-year-old Alex Smith, was told she would be unable to continue taking the Pill due to it reacting with another medication she was prescribed.

Just a month in, tests showed that his sperm count had dropped. Doctors running the study reassured him that should he stop using the medication, it would recover completely.

After two months, the couple were given the green light to use the gel as their sole method of contraception.

'I wasn't particularly worried,' John says. 'It's not the first time the gel had been tested so it wasn't a complete jump into the unknown. The possible long-term effects on my fertility were more concerning – and it's still something at the back of my mind.

'But Alex and I are 80 to 90 per cent sure we don't want children in the future, so that's less

'So far, I don't feel any different. And our sex life has carried on as normal, or maybe even better than normal.

'I'm not sure if that's to do with the gel itself but our relationship has definitely improved.'

LOTS OF CHOICES... BUT THEY ARE ALL FOR WOMEN WHY HAS IT BEEN SO DIFFICULT TO COME UP WITH A MALE PILL? FOR decades, it seems, women have shouldered much of the burden when it comes to contracep-

tion. First made available on the NHS in 1961, the discovery of the Pill – now taken by more than three million British women opened the floodgates for other methods of birth control. Today, there are patches, injechave tried and failed to make tions and implants offered to women to avoid pregnancy. an equivalent to the Pill Hormonal contraceptives all available for men. Last year, a contain a small amount of artificial daily capsule containing a

hormones. These work to inhibit form of the female hormone the body's natural production progesterone passed very early stopping eggs from being released safety tests - but it's not yet from the ovaries and making it clear if it lowers sperm counts more difficult for sperm to reach enough to stop pregnancy. and fertilise an egg. In 2016, a trial found a twohormone injection was effective

Other types also change the lining of the womb to make it unlikely a fertilised egg will be implanted.

The story for men could not be more different.

Aside from condoms, the only other option is permanent: a vasectomy, in which tubes that carry backlash, with scores of women men don't have much control sperm are cut and tied, rendering reporting unwanted pregnan- over that.' the individual sterile. The need for cies after using it – and experts

alternatives is clear Thousands of women complain of side effects from the Pill, such as mood swings and headaches. Others long for a break from artificial hormones.

Many started taking the contraception as teenage girls and, with the trial at Saint Mary's Hospital, more and more starting a family part of Manchester University later in life, they continue doing so well into their 30s.

The popularity of apps such as Natural Cycles, which markets native options for men are using condoms, or a vasectomy. itself as hormone-free contraception, tracking body tempera- would be used by couples in ture to detect when a woman is steady relationships. But, going fertile, or not, and therefore not forward, there may also be men at 'risk' of getting pregnant, in casual relationships who want I could have gone on was the coil [a on the body - it quickly enters the fair on men either.'

urge caution.

at preventing pregnancy for

98.4 per cent of men, but the

Could the male contraceptive gel, known as NES/T, be the answer? 'In many couples, the woman says consultant gynaecologist Dr Cheryl Fitzgerald, who is leading

NHS Foundation Trust. 'But at the moment the only alter-

choice. But the app has faced a duce a pregnancy. At the moment,

men reported developing acne,

and about one in five reported

mood disorders. Late last year,

a plan to launch the world's

that carry sperm from the

been claimed it would be

researchers in India announced

first male birth-control injection.

It's a jab, delivered to the tubes

testicles to the penis, and it has

effective for 13 years, making it

a vasectomy, 'There's been a lot

a semi-permanent alternative to be the answer everyone has

butinsists

men CAN

betrusted

I WON'T GET PREGNANT ...I TRUST THE DOCTORS

went on the Pill when she was 16. Manchester continued to use hor- University of Edinburgh. monal contraception without prob-

lems for more than a decade. But last year, she was told by every morning after showering. her GP she would need to go on medication to treat repeated head-'It is envisaged that this gel aches - which would have inter-

fered with her contraception. 'We were feeling at a bit of a loss,' to use.'

shows there is demand for more to know they are not going to pro-small metal or plastic implant that sits in the womb, stopping conception], which I didn't really like the idea of. And we weren't keen on just using condoms.'

of difficulty developing a male

pill, because you can't just give

testosterone orally - you have

to administer it with injections

or through the skin to avoid

and people don't really like

needles,' says consultant

gynaecologist Dr Cheryl

Fitzgerald, of St Mary's

been looking for.

causing damage to the liver -

The new gel, it seems, might

It was then that her partner of to try out the NES/T gel at St struggles with contraception,' LIKE many teenagers, Alex first Mary's Hospital - one of two UK sites involved in the inter-The medical administrator from national trial, along with the

Having been accepted on the trial, John rubs the gel into his shoulders

Within seconds, it disappears. shoulder,' he says. 'It only takes unmet need. 'The fact that there a minute to apply and is very easy

bloodstream via the skin – but the researchers advise using the shoulders for convenience. Throughout the study, John will

attend monthly hospital appointments, where doctors check his sperm count stays at the acceptable low level. A count under 15 million is con-

sidered low, but it needs to be kept under one million to be an effective contraceptive. John will use the gel for a year

as part of the trial, and will be monitored afterwards, to check that his sperm count returns to normal

'Several decades of experience doing similar trials show that sperm count always does return to normal afterwards,' says Professor Richard Anderson, who is leading the trial at the University of Edinburgh. 'We are absolutely confident that this will be the case for this one.

Alex admits she was initially worried about getting pregnant. 'There was a little voice in my head,' she says. 'But I put a lot of

trust in the doctors and nurses running the study. 'I also began to realise that no five years, John, spotted an advert contraception is 100 per cent effecon Facebook looking for couples tive. Every time we have sex we are taking a risk and I could

become pregnant. 'So I was able to let it go, and now I don't even think about it.'

The couple, who met on a dating app and moved in together six months later, believe passionately that there should be more alternatives for men and hope the 'I use one pump-worth on each research could help address this are no male contraceptives except for condoms is not fair,' John says. Alex says. 'The only contraception The gel can be applied anywhere 'It's not fair on women and it's not

Alex adds: 'At the end of the day, it takes two people to conceive. So why is it just the woman who determines whether that happens

NO REDUCED LIBIDO... OR OTHER SIDE EFFECTS

THE new gel has been designed to suppress sperm production without affecting libido. It contains a combination of two hormones - segesterone acetate and testosterone.

Testosterone alone can lower sperm levels in men and reduce the chances of causing a pregnancy. But the high doses needed to do

this can be dangerous. Men who take too much testosterone – for example bodybuilders an increased risk of heart dis- been reported to date. ease, strokes and liver disease, as well as hair loss, male breast growth, mood swings and even

permanent infertility. Segesterone acetate, also known in its synthetic form by the brand female sex hormone progesterone, using the gel since May. which triggers a reaction in a man's He says the only symptom he

producing sperm. 'In the new allergic reacsame way the contraceptive Pill switches off a woman's ovaries, this gel switches off the testes,' Dr Fitzgerald explains.

Along with halting sperm production, the gel also stops the testes from producing natural testosterone, which is vital for healthy bodily function.

The added testosterone in the not quite sure why gel replaces the lost testosterone, preventing side effects.

'You don't want a man to be testosterone-depleted,' says Dr Fitzgerald. 'Otherwise you will get side effects such as reduced libido. It is also bad for general health, sense of wellbeing, and the health of muscles and bones.'

The testes may shrink slightly. but not significantly, during use, abusing anabolic steroids to as sperm production is lower. But increase muscle mass - are at no serious adverse effects have

I JUST RUB ON THE GEL

DAN Glastonbury, 32, from Stretname Nestorone, is a form of the ford, Greater Manchester, has been

tion to a silver ring gifted to him by his wife of two

TRUSTING THE SCIENCE:

Dan and Emily

Smith and her

partner John

right, have

given up on

the Pill, left

condoms and

above, and Alex

years, Emily, 29. He now develops an eczema-like rash on his finger if he wears it for too long. Doctors are and haven't seen this reaction in

moods,' she says.

any other men. Dan considers this just a minor issue, having seen Emily struggle

with severe side effects of contraception for years. Emily was on the Pill, and then had a hormone-releasing implant - but they didn't agree with her.

'I had raised anxiety and low

'I saw an advert for the trial on Facebook and was really intrigued. We don't yet want kids but I really didn't want to be on hormonal contraception any more.'

Over the course of two months, the treatment brought Dan's sperm it's working." count down from about 47 million

sole form of contraception. 'To me, a million sounded like a lot, because it only takes one sperm to make the gel?" someone pregnant,' Dan says. 'But apparently under a million the chances of impregnating someone are very low. So we just trusted

in the science. Emily adds: 'I have probably felt more confident using this than any other form of contraception we have used because we have with a woman aged between 18 the tests and doctors telling us and 34 and would like to join the

Dan hasn't noticed any changes in Hospital team on 0161 701 4253 per millilitre to below one million. his behaviour or sex drive since or email IVF.Trials@mft.nhs.uk. By the end of August, the couple using the gel, and has found it easy Alternatively, contact the

Rubbing on the gel is the last thing I do before I get dressed,' Dan says. 'The best thing is that Emily is so much happier now, not being on anything, which makes me happy - and I'm only slightly inconvenienced to make

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THE BIG QUESTION IS:

THE couples both understand the reservations some may have about entrusting men with the responsibility of contraception.

'I don't think I would have trusted a boy ten years ago to be in charge of fertility,' Emily says 'At the end of the day, it's my

body that would have been affected by pregnancy – both physically and emotionally – not the boy. 'But this new option will open up

a conversation. Women shouldn' constantly be relied on to be in charge of contraception. Dan also has some doubts.

'If I had a daughter and she was dating, I would say if a man tells you he's on the gel, do not believe him use a condom,' he says.

'Men will say a lot of things when they want to have sex.

John admits to missing a few doses here and there, but dismisses concerns that men are somehow less trustworthy when it comes to

contraception. 'We've been together for five years - in the same way I never had any concern or worry about Alex taking the Pill, she doesn't worry about me

using the gel.' The latest trial of NES/T has so far recruited more than 100 couples worldwide - including 52 in Edinburgh and about ten in Manchester - and 420 will

be involved overall. It will have to go through further trials in even larger groups of people and secure regulatory approval before it is widely available.

Dr Fitzgerald says: 'A lot of people have asked, "How can you trust a man to use

'But men have trusted women for a long time not to get pregnant I hope we will get to a point where the decision over who uses the con-

traceptive is not such a big deal.' Men aged between 18 and 50 who are in a stable relationship trial should contact the St Mary's

brain that makes his testes stop suffered was a strange, unexpected had begun using the gel as their to slot into his morning routine. Edinburgh team on 0131 242 2669.



READ

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