No Sweat, No Tears, No Bleeding

A new HRT for the menopause which seems a change for the better

GEING actresses - to say nothing of A occasional politician have given a public thumbs-up to HRT, the menopause treatment which restores the body's dwindling supply of hormones and relieves the symptoms of hot flushes and night perspiration.

Yet despite the endorsements, specialists have been disappointed that HRT has not been more popularly adopted by women in their middle years. Not many women opt for the therapy, and, of those that do, few stay on it.

Cheshire menopause expert Dr Jean Coope had cited three reasons why women have turned their backs on HRT -

world-wide, not only

business capital, but also

because of the Platzspitz. The

centre of the open drug scene

in Zurich is known in the

United States as the Needle

Park and is well-known to the

American public, after being

the subject of countless arti-

cles in the "New York Times"

and other regional newspa-

pers, as well as being shown

on television. In July 1990, the

Belgian newspaper 'Le Soir'

published a damning condem-

nation of the city's plans to le-

galise the consumption of

heroin under certain circum-

stances. "Switzerland and,

above all, the German part, has

become a center for trafficking

heroin and depositing drug

money. But the other West

European countries are not

prepared to tolerate this any

longer. The European

Community cannot increase its

links with a country that prac-

tices such a policy : it could

then run the risk of contami-

nating the entire European

market. Why is Switzerland,

otherwise known as being a

peaceful and idylife place,

making the headlines with its

drug policy. For several rea-

sons. Switzerland is particu-

larly affected by the drug prob-

lem. A drugs expert assessed

the situation: "On the one

hand, because it is an impor-

tant junction for international

traffic and a financial centre.

in which the banks handle

huge amounts of money, it also

attracts shady business people.

On the other hand, the sixties

drug craze hit Switzerland

The Spiral of Addiction

show increases in all areas of

drug consumption: the co-

caine boom was continuing,

there were more drug deaths.

and about eight per cent more

first-time drug offenders.

Official reports showed a 43%

increase in deaths connected

with fliegal drug consumption

over the previous year, bring-

ing the total to 248. The usual

reason was an overdose of

opiates, and particularly

heroin. And the problem

seems to be spiralling out of

control. When the 1989 statis-

ties were published in May

Statistics released in 1989

later but much harder."

the need for regular medical check-ups; a fear of scrious disease, like breast cancer or thrombosis; and, for women who have not had a hystereetomy, the continued misery of their monthly periods, at a time when they expected an end to their menstruation.

That - and especially the last objection - is now set to change, and doctors are confident that a new bleed-free HRT is poised to raise the popularity of hormone therapy. Livial, the new treatment which does away with monthly bleeds after the menopause, has just become available for doctors to prescribe in Britain. It has all the hormone influence of conventional IIKT, and

famous . 1990, the dangerous cocaine

derivative, crack, was still un-

known in Switzerland, altho-

ugh it was widely used in the

United States. A month later,

the picture had changed. By

that time, crack had appeared

on the Zurich scene. Many

observers are astounded by the

liberal attitude with which

certain authorities and large

groups of citizens regard the

drugs problem, in comparison

with the international position.

In some cantons (state

members of the Consederation

the authorities have opened

fixer-rooms. Where addicts can

inject themselves in a

hygienic environment. They

are also discussing the

controlled distribution of

heroin to addicts. An opinion

poll shows that the general

public is also liberal. 80% of

the people questioned agreed

to first aid and therapy for

addicts; 75% said they were

against prison sentences for

illegal drug-taking. Will

Switzerland become "a pioneer

in drug policy", as one journal-

The debate over drugs has

become less tense, so uncon-

ventional ideas have a better

chance of being discussed. It

wasn't always like that. Over

the past 30 years, Switzer-

land's drug policy has unde-

rgone considerable change.

During the sixties, the appear-

ance of "exotic" drugs like

hashish came as a shock to the

ist has suggested.

in studies appears just as effective in cooling hot flushes, maintaining muscle tone - and increasing libido.

"I think this new preparation will make a big difference to the popularity of IIIKT," said gynaecologist Mr John Studd "It removes one of the big obstacles of IIRT - regular bleeding."

One study of Livial carried out on 50 women at Guy's Hospital in London achieved a result remarkable for any nuclical investigation, HisT or not. After one year all but two of the women who set out on the study were still taking the tablets. "Livial was tolerated excellently by the women, and

Swiss population. With the

growth in the narcotics trade

and in the number of drug

consumers, it was necessary to

adopt a tougher policy towards

dealers, at the same time as

taking a more liberal stance

towards consumers. In 1975,

the illegal consumption of drug

became a criminal offense and

drug-dealing should carry a

prison sentence of up to 20

years and a fine of up to a

Hard-Line Approach Yields

Nothing

idation" but the policy was a

failure. A new drug scene

involving heroin, cocaine, etc.

grew from the anti-authoritar-

ian movement, which had its

roots in the romantic hash-

smoking hippy scene. The au-

thorities ignored the growing

calls for the controls on

cannabis to be lifted, with the

aim of stopping the tendency

of moving on from cannabis to

cighties, the drug situation

grew dramatically worse with

the appearance of AIDS,

transmitted by dirty syringes.

The misery of the drug addicts

grew, drug-takers took up a

third of the place in prisons,

and the market became more

The Change in Drug Policy

money and the increase in the

immune deficiency disease,

The laundering of drug

professional and more brutal.

heroin and cocaine. During the

The formula was "intim-

million francs.

Switzerland - 700 Years After

Switzerland has the highest number of drug deaths in

Europe per head of population. There is an open

drug scene in various towns throughout the country

and popular support for the liberalisation of drug

policy. All this has attracted international publicity. Is

Switzerland a special case as far as drugs are

concerned? The increasing consumption of heroine in

this country is not the only addiction problem. A

prominent Swiss psychiatrist has warned against

focusing on drugs: "The preoccupation should not

let us forget that alcoholism is increasing all the time.

These days, it's our biggest social-medical problem."

was decided that fllegal

compliance was high," said chief investigator Mr Mike Chapman. Elsewhere, studies have shown that compliance with traditional Hill's has been very poor - no more than one in three women continued with Itler in one investigation

conducted by Dr Coope. Livial, which has been under investigation for more than ten years, combines the influence of the two female hormones oestrogen and progestogen in a single once-a-day

And, apart from controlling menopausal symptoms, doctors are now sure that all HKT with ocstrogen can cut the risk of heart disease and stroke by a massive 50 per

dering drug money, and there

were efforts to set up a medi-

cal-social infrastructure wher-

eby help could be given to drug

addicts. This included the

distribution of syringes and

spread of the deadly virus

caused by the exchange of

needles and prostitution. Drug

meeting points were no longer

whether there was any point in

cracking down on drug con-

sumption, after all the money-

laundering cases. Up to two

thirds of the people arrested

were just consumers. The po-

lice success rate in catching

drug-handlers and smugglers

was just five per cent. The au-

thorities reacted fast after the

Swiss police, in 1988, man-

aged to arrest a major drug-

trafficking ring in a spectacu-

lar operation, which drew in-

ternational attention. The gov-

ernment department specialis-

ing in the fight against drugs

was significantly strengthened

and in August 1990 a ban on

laundering dirty money came

into force. Switzerland was

also very active in international

efforts to reduce the con-

sumption and trafficking of

narcotics. Switzerland ratified

the general agreement of nar-

eotics (1961) and played a ma-

jor role in drawing up an

agreement on psychotropics

(1971) and the agreement on

illegal trades (1988). These

agreements have not yet been

High Drug Prices Attract

Dealers

The federal narcotics com-

mission, a consulting organ of

the government has recently

made what could be cons-

idered the most important

contribution in recent times to

the debate over prevention and

help for addicts. The comm-

ission's report, published in

1989, stresses the seriousness

of the situation in Switzerland.

It showed that, despite the

fact that Switzerland is small

and has a tiny population

compared to other western

European countries, it is

hugely important as a transit-

land for drugs. Zurich and

Geneva airport evidently play

an important role as trafficking

centers. Moreover, as it says in

the report, the prices paid on

the Swiss black market for

heroin, cocaine and cannabis

products " are among the

highest in the world, making

ratified by the Swiss parlia-

People began to wonder

systematically cleared.

condoms, in order to stop the

cent. One monumental mathematical study of HRT - in which all possible risks and all known benefits were thrown in the soup - showed a net HRT effect of 300 lives saved for every 100,000 users.

Since Livial is a bleed free HRT, it is only recommended for women after the menopause. Women who experience hot flushes and irregular periods before the menopause seem best treated with traditional hormone therapy, according to doctors. Only when the last period is gone, and menstruation is an unacceptable side effect, will Livial be seen to advantage.

- Family Health

Drugs: A Very Real Problem

has been read by foreign specialists with great interest, ends with recommendations. which are worth citing in full: "If the law was to be revised, it should lay down that the consumption alone of narcotics is no longer a punishable offense. The new law should apply to all types of drugs. The possession and acquisition of small quantities of drugs, the exact amount of which still has to be defined, should also be considered legal. However, all forms of drug trade should remain illegal. We recommended that drug consumption and the possession of drugs, with a view to consumption should no longer be punishable. This recommendation is based on the fact that the repressive policy as largely ineffectual. The way in which the new poltcy is carried out should not lead people to believe that a liberalization process in taking place. From the point of view of specialists, the commission is unanimous in thinking that nothing justifies a more permissive attitude towards drugs

Last but not Least: Alcohol and Tobacco

It's a frightening figure when you think that the entire population of the country is only 6.67 million inhabitants. Alcoholism costs Switzerland between one and two billion francs per year, whereas drug consumption costs about four hundred million a

Nicotine, on the other hand, seems to be losing its attraction. The number of smokers among men has fallen from seventy per cent at the beginning of the fifties to forty per cent today: among the women, the figure has never exceeded thirty per cent.

the Swiss drug market particularly attractive for the foreign dealers."



Suspension but no

AIDS eventually prompted the search for a new starting point in the fight against drugs and in help for addicts. New laws were introduced against laun-

> of all kinds." The commission also recommends a new framework of lighter penaltics for drug-addicts who only deal with drugs because they have to support their addiction. At the same time, the commission is calling for tougher laws and more police intervention against drug-traffickers. The ball is now in the politicians' court.

> The drug-addict who hides away in railway station toilcts and in shady park corners to inject himself has stolen the limelight from the alcoholic who, in the early hours of the morning, is opening up his first beer of the day in some seedy restaurant. It's estimated that there are 150 thousand alcoholics in Switzerland, and 700 thousand other people who are putting their health at risk by consuming too much

Swiss francs.

proved is that vitamins can Liberalisation prevent disease. New research This report on drugs, which into the death of portly King Henry VIII showed that he died not of syphilis - as every schoolboy knows! - but of scurvy, the disease in which teeth become loose and blotches of blood appear like ulcers under the skin's surface.

There is only one cause of scurvy, and that's a deficiency of vitamin C, nature's vitamin found in fruit and vegetables. In those tudor days when Henry was changing wives more often than he changed his shirt, fruit and vegetables were despised as fodder for the masses. The nobility preferred ventson and poultry.

HERE are those who

of their dict bursting with

vitamin C. Capsules, fizzy

lozenges, freshly squeezed

fruit juice. There are even

those who claim vitamin C pro-

exploded in American studies,

but the necessary place of vi-

tamins in our everyday diets is

Indeed, if experiments just

starting in the USA, Israel and

Britain confirm pilot studies in

Wales, vitamins could be high

on the menu of school dinners

because some reports say

children whose diets are rich

in vitamins perform better

than kids starved on junk food

everyday. Vitamins might yet

be the elustre food of the brain

But what history has already

The cancer claim has been

tects against cancer.

now beyond dispute.

swear they've never had

a winter cold because

And in those dark days of winter, when Britain was gripped in its Little Ice age, fruit and most fresh vegetables were simply unavailable. One lemon for his coronation feast cost six silver pennies, says Henry's historian.

Scurvy was the plague of sailors on long sea voyages till 1795 — when the Admiralty made all crews drink lime juice with their daily tot of rum. After that, the disease virtually disappeared from the high scas.

Today, scurvy is almost unknown in Britain. And the reason? A daily dict with adequate quantities of vitamin C. Supplements are not necessary, say the experts, just the normal amounts which come with a balanced varied diet.

And that's the message about all vitamins vital to our looks, energy, health and protection from ailments. All recommended daily allowances of vitamins will be found in a diet containing bread, cereals, fresh fruit and vegetables.

And except in special cases - like pregnancy — there's absolutely no virtue in taking more than the recommended daily intake. In excess, vitamins A and D can even cause

do, where they're found, and how much of them you need. Vitamin A, also known as retinol, is found in liver, milk, eggs, butter, yellow vegetables like carrots, and yellow fruit like peaches and bananas. It's

necessary to maintain the

Here's what the vitamins

healthy turnover of body cells. especially those of the retina of the eye, lining of the lung and

The ABC of Vitamins

digestive system. There may, then, be some truth in the old wives' tale that carrots help you see in the dark. And some truth that vitamin A helps keep skin fresh and complexion bright. Recommended daily intake is about 1 milligram.

Vitamin B is really a complex of several different vitamins. B1, also known on the corn flake packet as thiamin, ensures that carbohydrates burn away to provide the body with energy. You'll find vitamin B1 in pork, nuts, cereals, potatoes, whole grain bread and muesli. No more than 1 milligram a day is recommended.

B2, known to cereal buffs as riboflavin, is found in milk, cheese, eggs, liver, kidneys

maintains resistance to infection. It's found in eggs meat and dairy produce. Recommended daily allowance is tiny - just 3 micrograms - but vegetarians may nevertheless

sometimes need supplements. Vitamin C, often spelled out on the label as ascorbic acid, is found in all citrus fruits, tomatoes, raw cabbage, green vegetables and blackcurrrents. It's renowned for fighting colds, keeping tissues and skin in good repair, and maintaining healthy teeth and gums. Long exposure to high temperatures inactivates vitamin C.

Recommended daily al lowance is 30 milligrams through some have said that women on the Pill need more Most doctors disagree, and insist that women on modern low dosc Pills need no vitamin supplements.

Vitamin D is the sunshine



A child suffering from rickets on a hospital bed.

and green vegetables. Vitamin B2 also helps the turnover of cells, especially maintaining tissues of the skin. There are those who claim that vitamin B2, like hormone replacement therapy, can prevent ageing of the skin.

B6, known also as pyridox-

ine, is the champion of premenstrual tension sufferers. It's found in liver, wholegrain cercals, egg yolk, fish, bananas and avocados. Vitamin B6 plays a role in synthesising certain chemicals in the brain which regulate hormones. Those who recommend vitamin B6 supplements for PMT say the normal dose range is 40 milligrams twice a day, rising to 75 milligrams twice a day if necessary. Supplements would usually be taken from just before to just after a period. Normal dietary daily recommended allowance is 2 mil-

ligrams. B12 increases energy and

vitamin because some is switched on in the skin by sunlight. Other sources are oil fish, dairy produce and eggs. Vitamin D is important for preventing tooth decay and making bones grow, because it helps blood absorb calcium.

Vitamin E is needed for regenerating cell membranes and so keep a healthy balance of oxygen in the body. Cramp, varicose veins and aching muscles have all been linked to vitamin E deficiency. Recommended daily allowance is about 10 milligrams, and it's found in vegetable oils, whole grains, eggs and avocados.

Recommended daily al lowances vary, of course, according to body weight and lifestyle. However, for the best vitamin value it's best to cat food in its freshest possible way - both storage and the heat of cooking can destroy vi-- Family Health. tamins.

You Should Live So Long

Human life-span, despite medical advances, has an upper limit

OST everybody wants to live as long as possible. And given the enormous strides made in medicine and the health sciences during the past 150 years, people could be forgiven for hoping that someday human beings will live, if not quite forever, at least far longer than at present. Since the mid-19th century, average life expectancy at birth has nearly doubled: from 40 years

Today many people live past 100, and the oldest individuals have reached either 115 or 120, depending on whom you believe.

So it comes as something of a jolt to be told by the experts that human beings have taken life about as far as it can go. That is the sobering conclusion of a report in Science magazine by demographer S. Jay Olshansky and gerontologist Christine Cassel of the University of Chicago and biostatistician Bruce Carnes of Argonne National Laboratory. Barring an unexpected breakthrough in basic science that would forestall the aging process, they say, the era of rapid increases in human longevity has come to an end - at least in developed countries. Even if science could eliminate heart disease and cancer — which account for nearly 50% of all deaths in the US - it is unlikely that the average life ex-

pectancy at birth would increase much beyond 85.

What makes the report so compelling is that it is based on simple mathematics. In the past, the upper limits of life have been extrapolated from actuarial tables by estimating how death rates would change say, the incidence of heart disease \ as halved. "We reversed the question," says Olshansky. Taking an "engineering approach," his team members asked themselves how much mortality rates would have to be reduced in order to increase average life expectancy to 120 years. What they discovered, after running the numbers through a computer, was that big hits in current death rates in the US would give only small lifts to life expectancy. For example, if through some miracle of medicine and risk avoidance no one ever again died before reaching age 50 (thus eliminating more than 12% of all deaths), the increase in average life expectancy would be only 3 years.

There seems to be kind of built-in biological limit programmed into the cells of the human body. In laboratory experiments, human cells divide only about 50 times before they begin to fall apart like old jalopies. This planned obsolescence on nature's part makes a certain amount of evolutionary sense. Survival of the fittest,

after all, rewards only those who reproduce, not necessarily those who reach old age. Once procreation is over, human bodies may as well be disposable goods, biologically speaking.

The best way to combat cellular aging is to postpone its effects at the molecular level. Basic research is now under way to understand the mechanisms that make human cells wear out and to try to find the genes that cause the major degenerative diseases of old age -arthritis, osteoporosis, Alzheimer's disease. This work could have a double benefit: extending life expectancy and helping to make those extra years worth living. But researchers have no idea when, or if, breakthroughs will take place.

In the unlikely event that scientists do manage to unlock the secrets of aging, some experts believe tomorrow's children could reach 130, 150 and even 170. But the authors of the Science report are extremely dubious. Among the increasing numbers of aging baby boomers, contends Olshansky, "very few people are going to live past 110 or 120." And what about Methuselah, the grandfather of Noah, who lived 969 years before he died? Simple, says the researcher. Someone misplaced a decimal point. PE.

M2395

The 60-second life saver

CAUSES OF INFERTILITY

OCTORS describe infertility as the inability to conceive following frequent unprotected intercourse for at least a year. According to the World Health Organization, some one in ten couples might be affected.

The causes are either male or female, a combination of both, or unknown.

Male causes

 Not enough sperm cells about 20 million per millilitre are needed.

*Sometimes the spcrm produced can't swim properly, so can't travel up the female's tubes to fertilise her eggs. This is known as poor "motility."

 Sperm cells may be of abnormal shape. This is known as poor "morphology." There may be damage to

the testis or penis which prevents the release of sperm.

Female causes

 Egg production at ovulation might be disturbed, which indicates a problem with hor-

 The fallopian tubes may be damaged or blocked, which prevents sperm reaching the egg for fertilisation.

Mucus in the cervix may be so thick that sperm is unable to swim through to the tubes.

FERTILITY TREATMENT: SOME OPTIONS

 For structural cases of infertility - like blocked fallopian tubes in women - correc-

tion can be tried by surgery. If the ovaries are producing few or no eggs, or there's not enough sperm, hormone treatment can be helpful.

 Artificial insemination is also used when sperm cells are of insufficient number. The technique gets enough sperm to the right place at the right time, and fertilisation is sometimes achieved.

Other options involve moving both the sperm and the egg before fertilisation takes place:

 In GIFT — or gamete intra-fallopian transfer — mature eggs are removed from the ovary, mixed with sperm cells and transferred immediately to the fallopian tube. Eggs and sperm are each examples of gametes.

 The ZIFT (zygote intrafallopian transfer) technique is almost the same, but the eggs and sperm are not immediately replaced. Instead, the first stage of fertilisation is allowed to take place, the result of which is a "zygote". This is then transferred into the tube.

• In IVF fertilisation also takes place in the laboratory. However, unlike ZIFT, the fertilised egg develops into an embryo over two to three days before being replaced not into the fallopian tube but directly into the uterus.

Before any of these procedures takes place, it is now accepted practice to use fertility drugs to increase the number of eggs which mature in each monthly cycle.

A Dozen Things You Never **Knew About Fertility**

In nature intercourse oc-

curring at the mid-cycle fertile time has only a one in four chance of producing a child. · The female is born with

about 20,000 eggs in the ovaries. So the eggs in a woman's ovaries are as old as she is. * At the beginning of each

cycle about 20 eggs begin to grow in the ovary, but only one reaches maturity. The rest are wasted.

produce about 100 million sperms at ejaculation to have a reasonable chance of fertilising There are normally about

* On average, the male must

100 million sperms in 5 millilitres of semen, about a teaspoonful. · Of all the millions of

sperms deposited during intercourse, only a dozen or so will actually reach the egg.

 Women reach their maximum ability to conceive at about 24 years of age. Females are responsible

for 40 per cent of infertility cases; males for 30 per cent. About 12 per cent will never discover a reason.

 About one in four women seeking treatment for infertility become pregnant during the several months of investi-

 Once a woman has conceived and missed her first period, she has a 72 per cent of a successful pregnancy and a 28 per cent chance of a spontaneous abortion.

 Sperms develop better at temperatures slightly less than body temperature. That's why tight trousers and hot baths have been linked to male infertility.

Appropriate treatment will result in pregnancy for 60 per cent of infertile couples.

- Family Health