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Daily Mail, Tuesday, December 16, 2008 Good Health The toothpaste that fixes broken bon



NEW 'injectable bone' material could soon be used to help heal bones that are laged or broken. Paste, which has the re of tootbaste, em be fit and all agranged to an and a stanged to an and a stanged to a stoot temperature.

s or norman bone: rmaily, a broken bone is to heal itself. However, severe breaks or wring the removal of rerous tumours, patients need a bone graft to help ulate new growth. conventional bone graft round 10,000 Britons every healthy bone is taken

conventional bone graft gery, which is carried out round 10,000 Britons every , headily bone is taken , headily bone is a state , headily bone of surgery is tetive, but requires the geon to damage another to fit he body. While moot geon to damage another to the body. While moot blems, the procedure is he-consuming and has a mill recovery period. ecause of this, scientists re long looked for a table alternative to using to bone, but it's chimout hat also be easily shaped. must also be porous

also ugh when hardened so that v blood vessels and bone i grow through it. Some de from ceramics that can shaped to fit the bone tix, copying the mesh-like ucture of the real thing.

n the order you might want to eat what mount of time allotted for minimal, so the hungry s pressured to gobble, and has difficulty eating simply

but often had to wait so long

out patients' ability to a staff equipped them-osable plastic aprons off its had to make do with

od idea for some

ot be picked up

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Others come in putty or powder form and need to be packed into the bone cavity by hand; but none has proved as successful as human one itself. However, this new material ould be directly injected into he bone and would mmediately fill

DID YOU KNOW?

away with the need for larger surgical incision, as required when packing other substitute materials. And unlike many other bo deemts, the injectable bo doesn't give off heat as bordens which car bill off

Vitamin B can beat the 'old age blues'

LITE UIU GE UIUCS POPPING a vitamin pill could significantly elder has of depression in the elder hy, according to research. Scientists at the University of Western Australia found adults who toka a regular does of vitamin Bi2 were lessi lkely to suffer mental-health problems in old age. The supplements lower the amount of of homocysteline in the blocd, high disease and mood swings, among other disorders. This can be quickly reduced by taking Bi2 supplements, or eating food rich in the vitamin, such as red meat, olly fish, eggs, yoghurt and cheese. Researchers questioned 3,752 men aged 70 and above on past or present symptoms of depression, and found those with the highest readings of

order to inject it, the proc dure will most likely be done under general anaesthetic, with X-rays and scans to guide the needle to the correct arcs. 'Once inide the body, the strength of normal bone, but there will be plenty of space for new bone to grow,' says Professor Kevin Shakesheff



The material could also be

any In of

d then grow into ess. , the 'injectable Medical Future Innovation Award. The technology needs to undergo clinical trials, but it's hoped the product will be available in America within 18 months and the UK soon after.

Ten-minute test for cancer A SIMPLE urine test could soon be used to detect bladder cancer.

a to detect bladder cancer. eveloped by scientists from abridge, it is painless, non-invasive cheaper than the current intrusive toscopy, where a camera in a fible tube is inserted into the thra. Results would be available in ten minutes. De

ears after initial treatment. The UroSens test monitors levels of a protein called Mcm5. This is essential or healthy cells, but if found in the urine

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