



## Paracetamol effects bone growth

7 Sep 2007, 0000 hrs IST, ANI

[Print](#) [Save](#) [Email](#) [Write to Editor](#)



Paracetamol can slow down the growth of the bones (TOI Photo)

*Paracetamol slows down bone regeneration.*

'In vitro' studies prove that taking Paracetamol, one of the most used analgesics, can slow down the growth of the bones. It was also found that applying plasma rich in growth factors accelerates bone regeneration.

Department of Nursing of the University of Granada showed that Paracetamol, a widely used painkiller for a simple molar pain to pain caused by bone fractures slows down the process of bone regeneration.

The study was carried out by Olga Garcia Martinez, who conducted it on osteoblasts (cells involved in bone regenerating processes), obtained via bone samples. Her analysis takes as a starting point several clinical processes in which accelerating bone growth is required. "Certain anti-inflammatories such as paracetamol — warns the researcher — should be cautiously taken, specially in situations which

require a rapid bone tissue regeneration, such as after placement of a prosthesis or dental implant.

Other anti-inflammatories, which have no effects on bone growth, should be used instead," she said. Results of her work cannot be confirmed in humans but 'in vitro' research shows without a question that paracetamol slows down bone regeneration.

Apart from the effects of paracetamol on bone cells in culture, Maritnez also studied the effect of plasma rich in growth factors (obtained from patients' own blood and after a spinning process). Application of this plasma gel on bones accelerates their growth, without affecting other cell parameters such as the cell cycle or the antigenic profile.

It is therefore an easy technique, which involves few risks for the patient, who will recover from bone defects more quickly.

Even though her work has been carried out on osteoblasts, Garcia Martinez states that it could also be used on other kinds of cells such as fibroblasts, and can therefore be used not only on bones but also on soft tissue, which would help to heal wounds and ulcers.

The study appears in the prestigious scientific journals Bioscience Reports, Oral Diseases and Physiology and Biochemistry, among others.

[Print](#) [Save](#) [Email](#) [Write to Editor](#)

### Comments to the Editor

Be the first to write to the Editor.

### Health/Science more...

- [Food additives linked to hyperactivity](#)
- [Women try to bond when kissing](#)
- [China kids at higher risk of diabetes](#)
- [Awareness about bone ailments low](#)

[More >>](#)

### Other News

- [India, Iran to discuss gas pipeline project](#)
- [Musharraf to remain President till November 15](#)
- [Ten arrested for Hyderabad blasts](#)
- [Sharif wonders which flight to take for return to Pak](#)

### Pictures Videos



A nurse gives an injection to a baby at a clinic in Beijing, where medical check-up for migrant women and children is being provided. (AP Photo)

[The day in pictures](#) | [Sept 4 in pics](#)

### My Times , My Voice

- [Do you think a teacher would make a good leader?](#)
- [What should be done to give a human face to the police force?](#)

[More >>](#)

**magicbricks.com**  
— India's No.1 Property Site —

Do you  
want to  
rent  
a property?

YES

**INVEST IN FOREX**  
(CURRENCY TRADING)

LEADING **EASYFOREX** PLATFORM

- No Withdrawal Fees
- Personal Dealer
- Tailor Made Accounts
- No maintenance margin

WWW.EASY-FOREX.COM - MORE THAN 7000 NEW TRADERS SIGN UP EACH MONTH

**START TRADING NOW**

Forex trading involves substantial risk of loss.

### Horoscope

[Go](#)

### ePaper: Print Edition



Get the replica of your favourite edition of Times of India Feel at home..  
[View ePaper](#)

### mPaper: Mobile Edition

Get the news on the move



[View Demo](#)

**Authentic & Certified Gems**  
Order Now

### i-Bazaar Shop

Times Food Guide	Rs 80
Xbox 360 Elite	Rs 34,990

[More >>](#)

### Travel Air Tickets

**25% cash back on flights**

Mumbai to Sharjah	Rs 8,400
Delhi to Dubai	Rs 12,480
Chennai to Singapore	Rs 12,040

[More >>](#)

### Mobile 58888

Be a lakhpati. Just SMS

SMS & Win cash. Play CASHPOT

[More >>](#)

Write here...

[Terms & conditions](#) 

Name:  Location:

Email:

Submit

Related Ads

- [Times of India News India](#)
- [India Business News](#)
- [Asia Financial News](#)
- [Hindustan Times India](#)
- [Globalization News](#)

  
www.easy-forex.com

  
☐ USD

  
☒ EURO

CURRENCY FORECAST

USD/EUR

TRADE NOW

FOREX TRADING IS RISKY

[About Us](#) | [Advertise with Us](#) | [Careers @ TIL](#) | [Terms of Use](#) | [Privacy Policy](#) | [Feedback](#) | [Sitemap](#)  
Copyright © 2007 Times Internet Limited. All rights reserved. For reprint rights: [Times Syndication Service](#)  
This site is best viewed in 1024x768 resolution.