

ASST

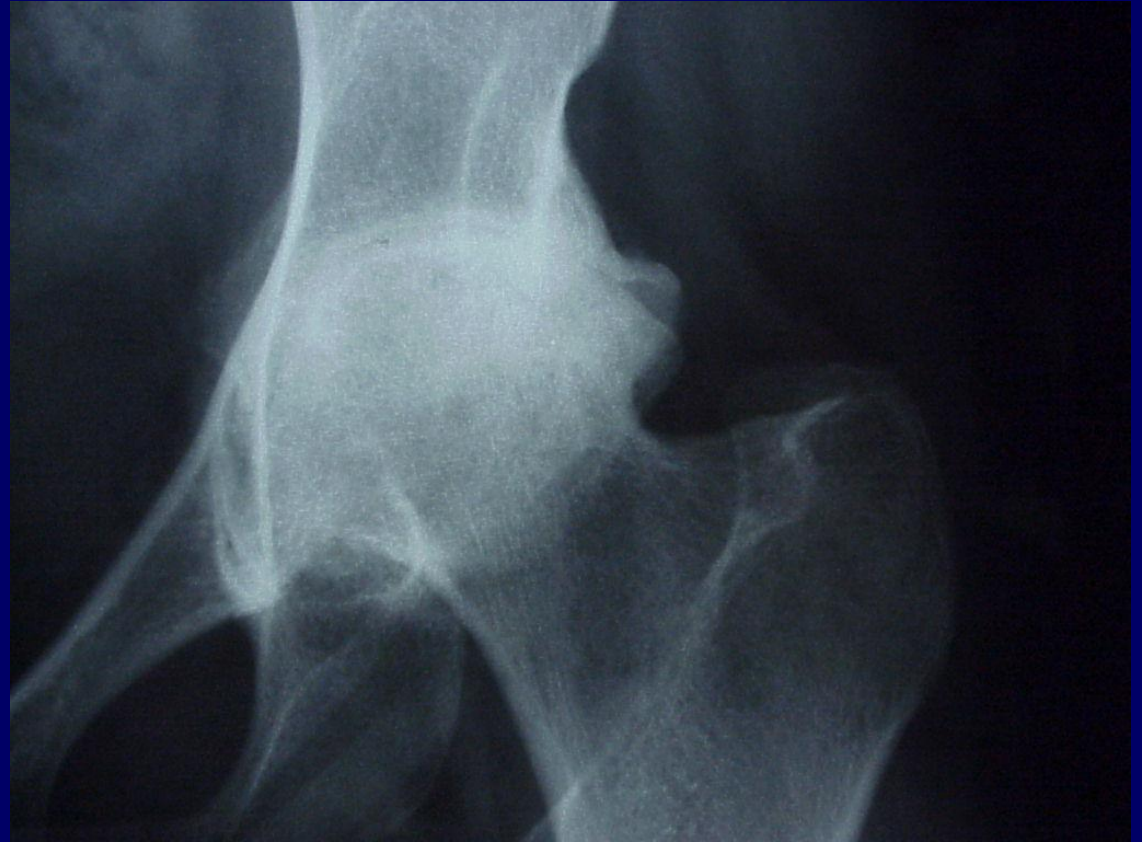
**Centro Specialistico Ortopedico Traumatologico PINI – CTO
MILANO**

U.O.C CHIRURGIA PATOLOGIE REUMATICHE



Direttore: Dott. Roberto Viganò

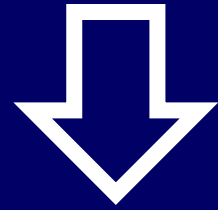
PROBLEMA



PROBLEMA



PROBLEMA



SOLUZIONE







380.000 THA (primary & revision)

620.000 TKA (primary & revision)



340.000 THA (primary & revision)

500.000 TKA (primary & revision)

STATO DELL'ARTE

- + ESPERIENZA
- + TECNICA
- + MATERIALI
- + RISULTATI
- + RECUPERO VELOCE



SETTIMANALE € 1,00 (IN ITALIA)

DIPIÙ

20 SETTEMBRE 2004 - N. 22 CAIRO EDITORE

CLAMOROSO



Katia
"tradisce"
Pippo
Cattani
della

PER LA FAMIGLIA COME
BRE 2004 | N. 40 - ITALIA EURO 1,70

GENTE

SETTIMANALE DI ATTUALITÀ, POLITICA E CULTURA

ESCLUSIVO

- Le foto della "nuova" Afef
PAG. 50
- Miss Italia si svela per Gente
PAG. 32

IN EDICOLA ANCHE
LA GUIDA AI GRANDI MUSEI
4° VOLUME **IL PRADO**

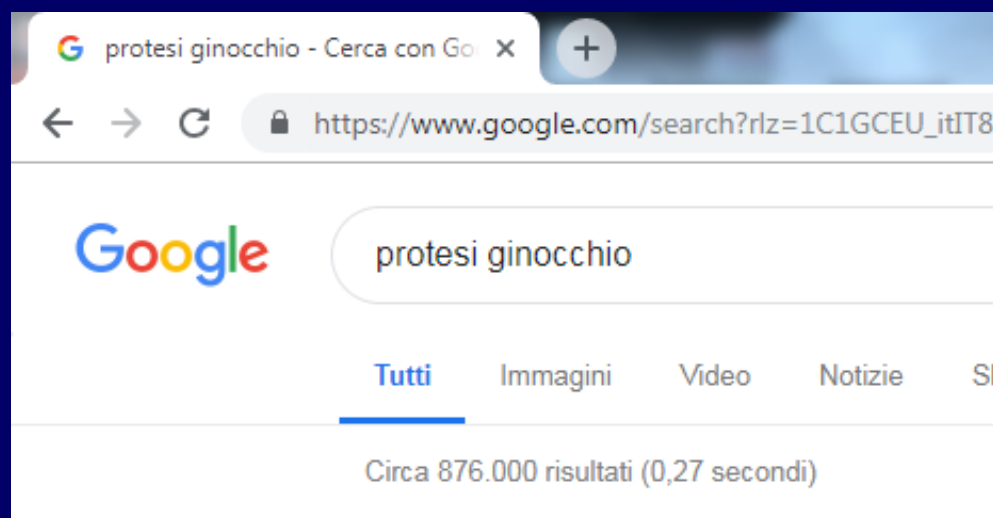
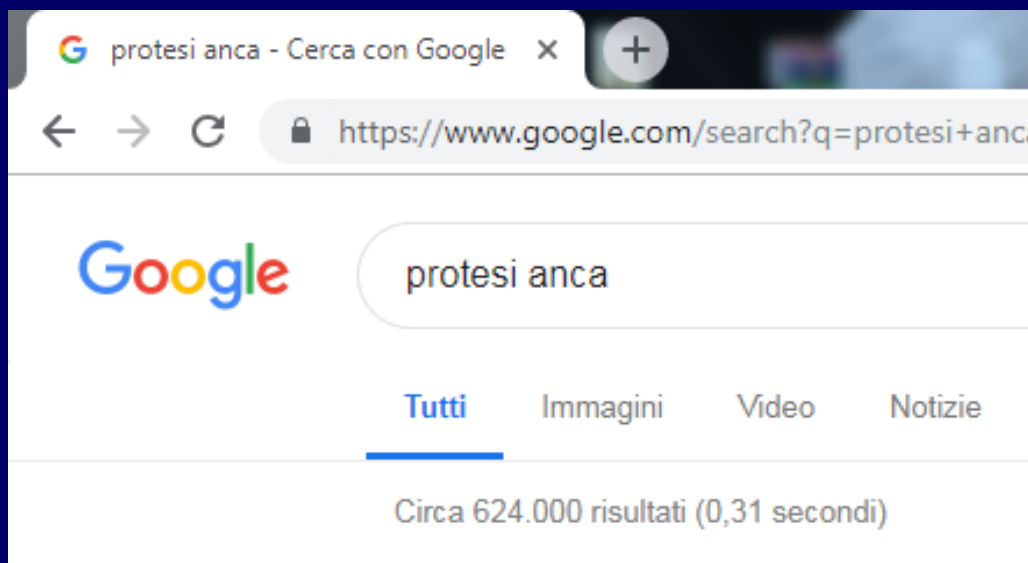
Da
La regina del Grande Fratello racconta l'amore coi baby-mari

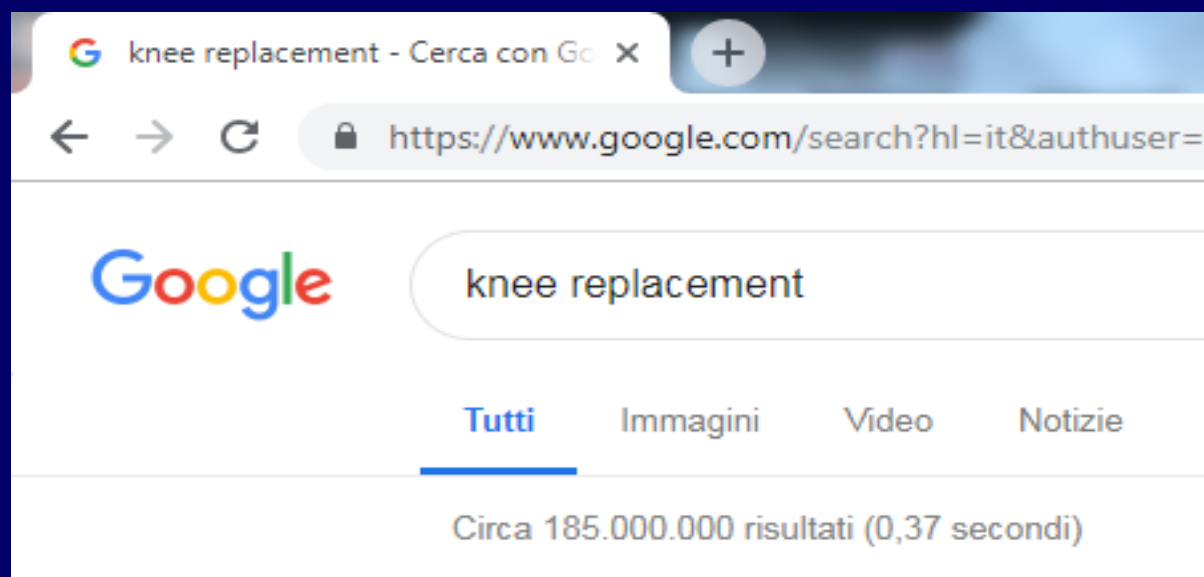
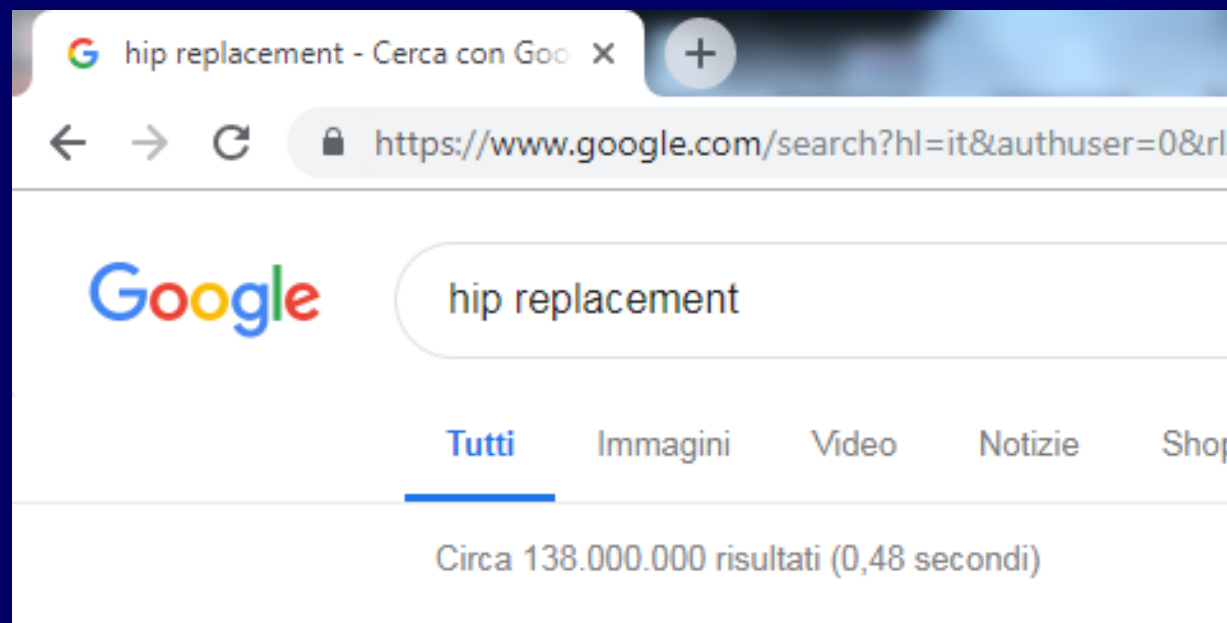
TONINI:
DOMANI AVREMO UN ISLAM MIGLIOR

Dal cardinale un invito alla speranza

Foto Esclusivo

RCS Periodici • 22 SETTEMBRE 2004





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Best matches for hip arthroplasty:

[Conversion of hip fusion to total hip arthroplasty: clinical complications in 40 hips.](#)
Celiktaş M et al. Arch Orthop Trauma Surg. (2017)

[Trochanteroplasty for Total Hip Arthroplasty in Patients.](#)
Yoo JI et al. J Arthroplasty. (2017)

[Total Hip Arthroplasty around the Inception of the Intera](#)
Oonishi H et al. Clin Orthop Surg. (2016)

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Best matches for knee arthroplasty:

[Timing of rehabilitation on length of stay and cost in patients: systematic review with meta-analysis.](#)
Masaracchio M et al. PLoS One. (2017)

[Cryotherapy Treatment After Unicompartamental and Total K](#)
Chughtai M et al. J Arthroplasty. (2017)

[\[Total knee arthroplasty in the elderly\].](#)
Weber M et al. Orthopade. (2017)

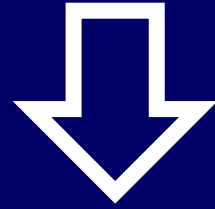
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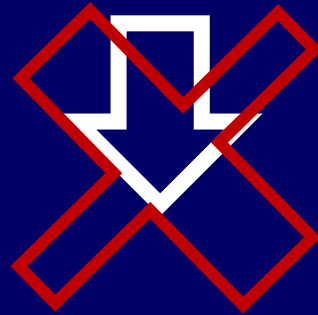
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PROBLEMA



SOLUZIONE

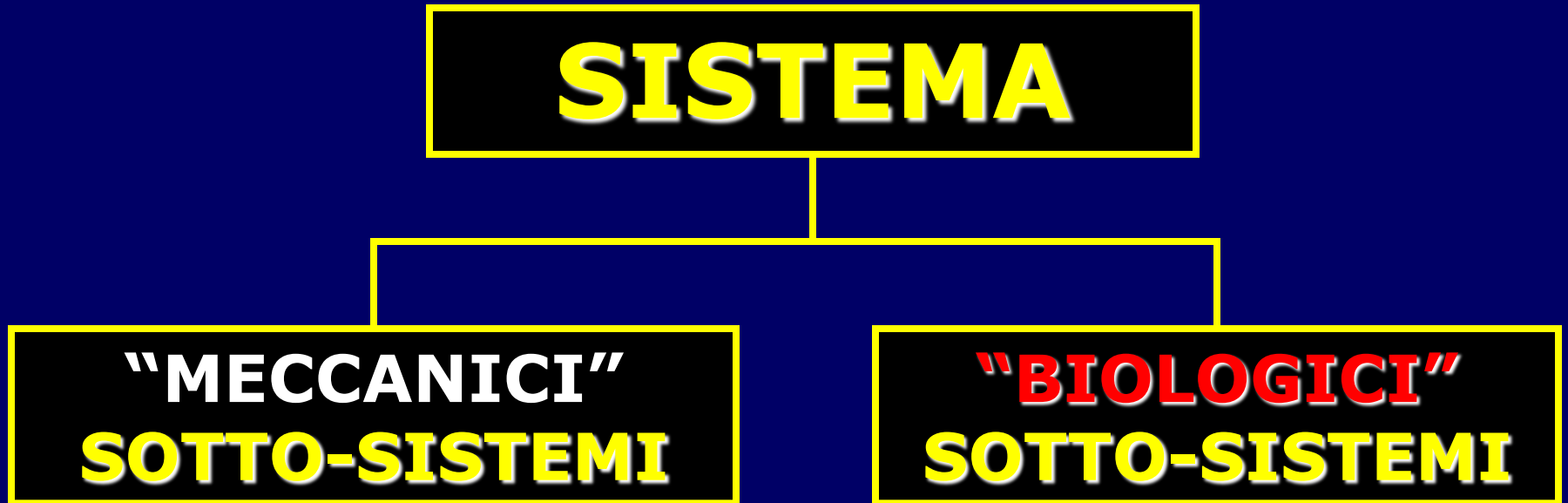


PROBLEMA





ARTROPROTESI



PTA

SOTTO-SISTEMI MECCANICI

FISSI

MOVIMENTO

COPPA

STELO

TESTA

INSERTO

SOTTO-SISTEMI BIOLOGICI

OSSO

INTERFACIA

OSSO/PROTESI

OSSO/CEMENTO

FATTORI DI RISCHIO

PTG

sotto-sistemi MECCANICI

FISSI

MOVIMENTO

FEMORE

TIBIA

INSERTO

sotto-sistemi BIOLOGICI

OSSO

INTERFACIA

OSSO/PROTESI

OSSO/CEMENTO

FATTORI di RISCHIO



EVOLUZIONE



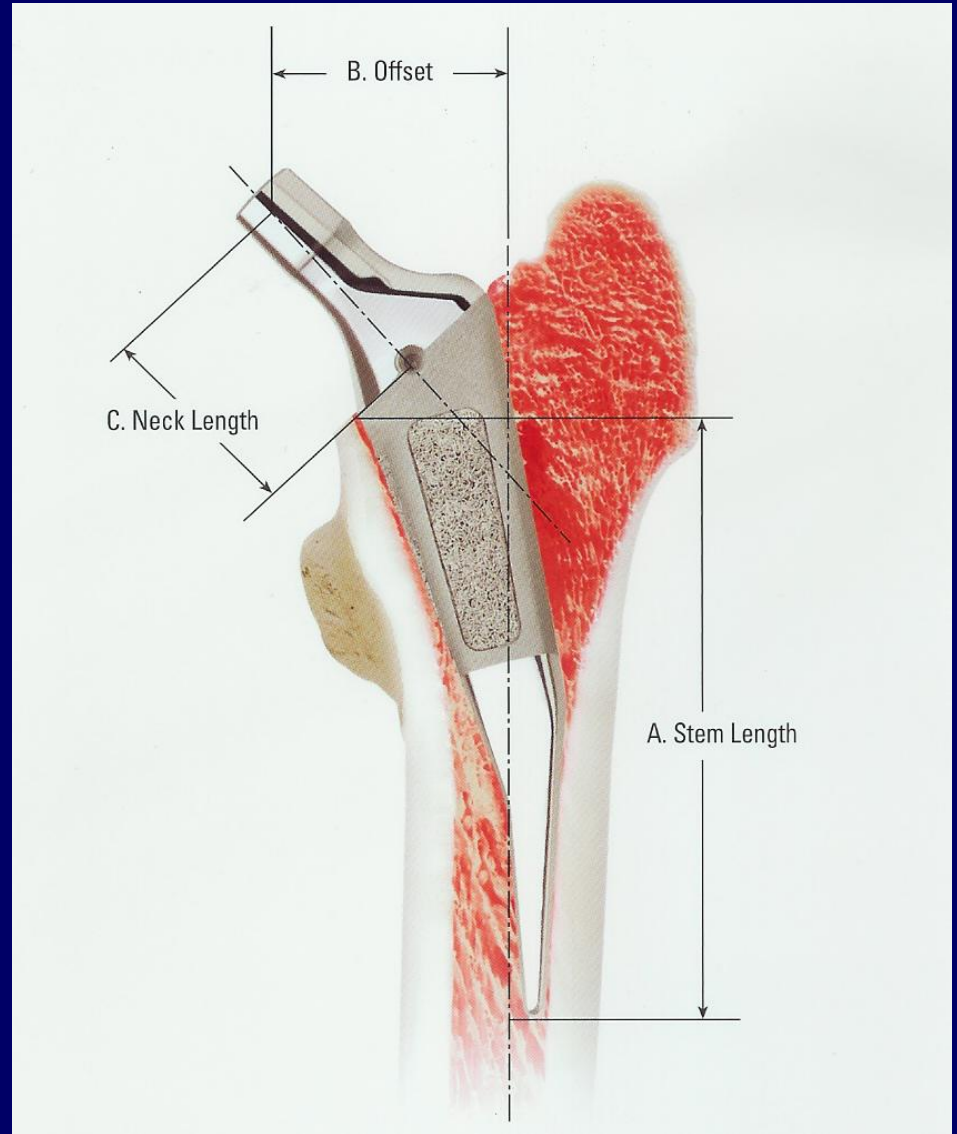
RIVOLUZIONE



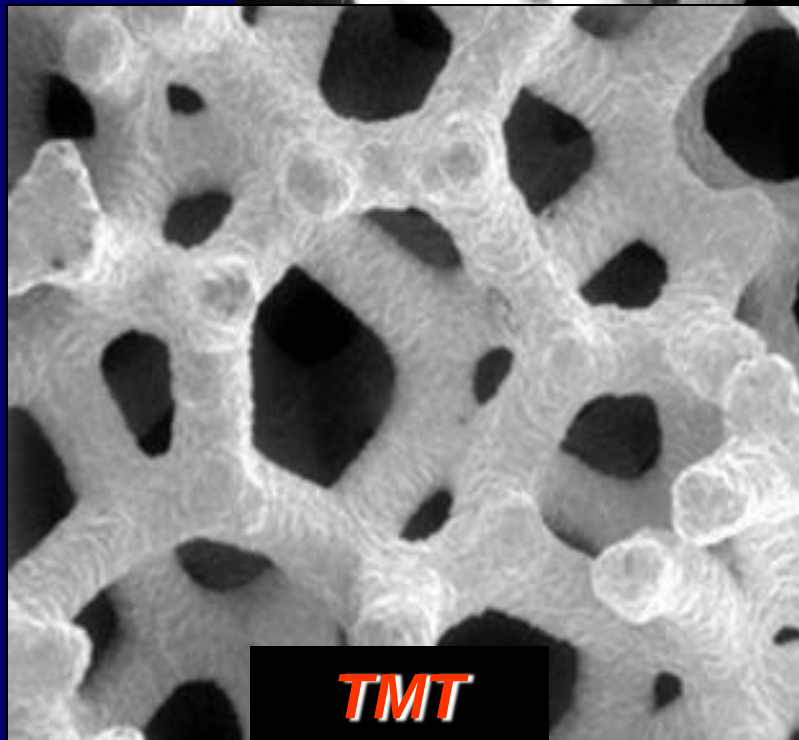
EVOLUZIONE



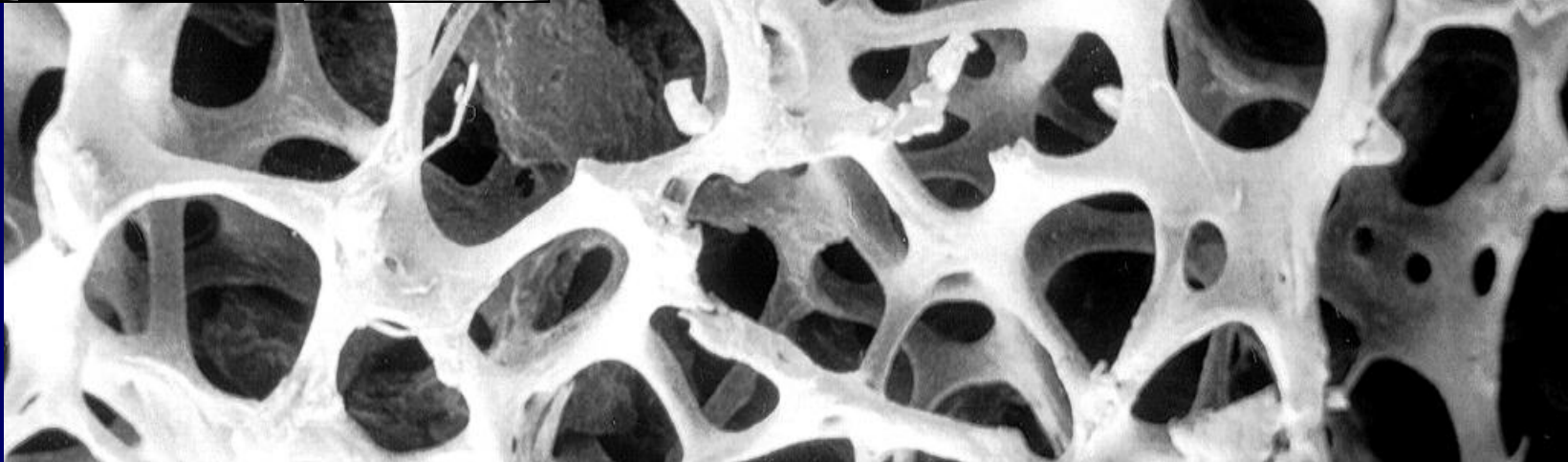
PTA







TMT



Osso Spongioso

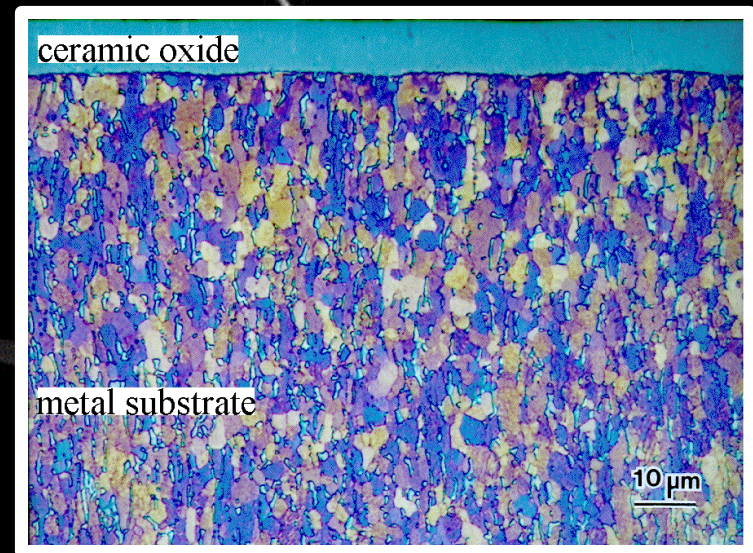
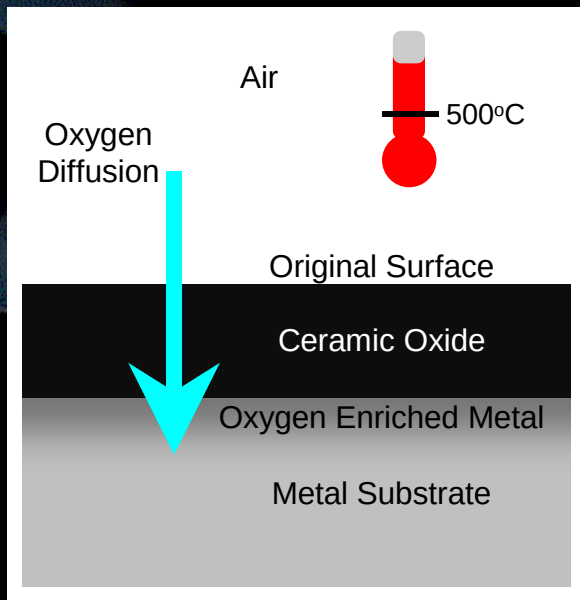


OXINIUM



Oxidation Process

- Wrought zirconium alloy device is heated in air
- Metal surface transforms to ceramic; not coated
- Oxide is about 5 μm thick, with oxygen-rich zone

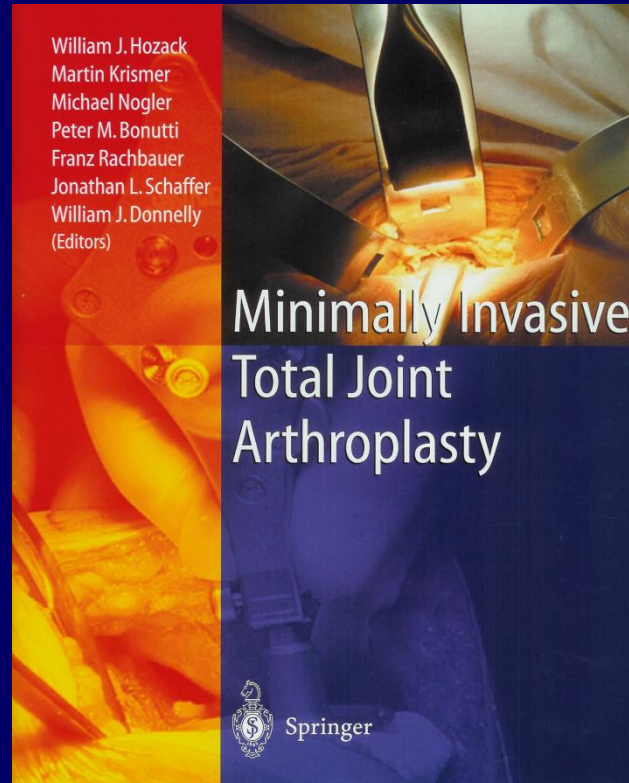


RIVOLUZIONE



PTA - PTG

MINIMAL INVASIVE SURGERY



M.I.S.

- **MINIMA INCISIONE**
- **MINORE DOLORE**

M.I.S.



- **RISPETTO P.MOLLI**
- **RAPIDO RECUPERO**

MINI-INCISION HIP INSTRUMENTS



**Low Profile Acetabular
Reamers**



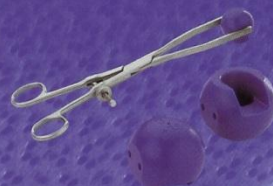
Rasp Handle



Offset Shell Inserter



**Slotted Cone
Provisionals**



**Slotted Provisional
Heads**





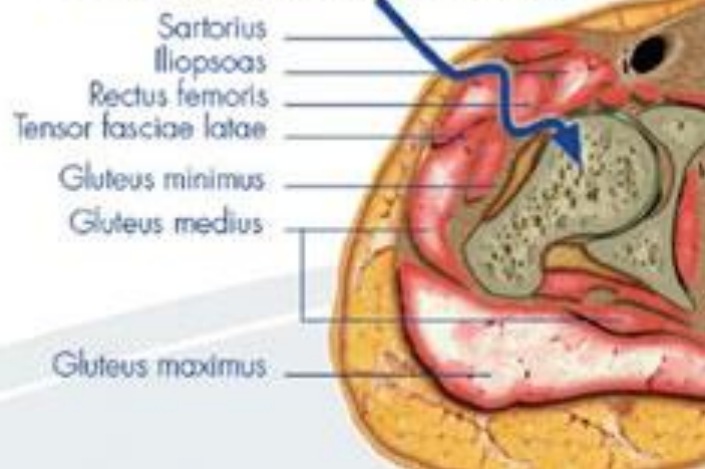


EVOLUZIONE



PTA

Via d'accesso Mininvasiva



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Best matches for hip anterior app

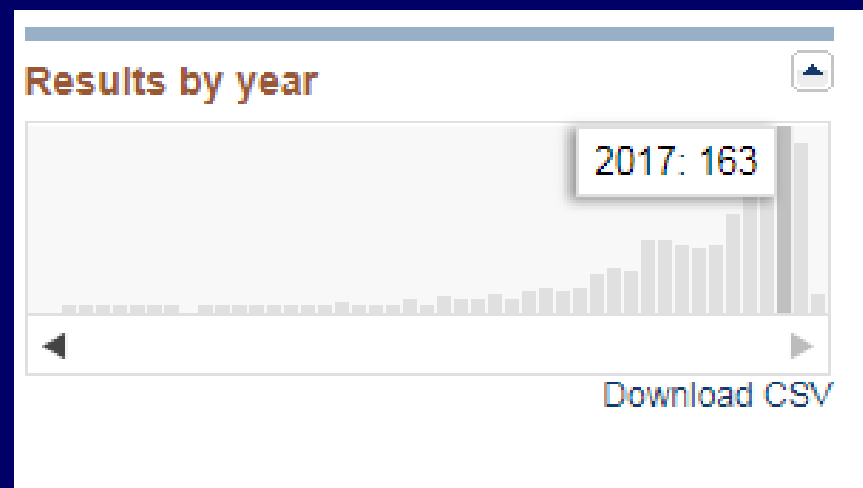
[The direct **anterior approach** in total hip a](#)
Meermans G et al. Bone Joint J. (2017)

[Comparison of direct **anterior**, lateral, poste](#)
[arthroplasty: network meta-analysis.](#)
Putananon C et al. Eur J Orthop Surg Traur

[Anterior vs. posterior **approach** for total hi](#)
Higgins BT et al. J Arthroplasty. (2015)

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PubMed ▾ knee arthroplasty minimal invasive surgery
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See 2 citations found by title matching your search:
[Early recovery after fast-track Oxford unicompartmental knee arth](#)
[invasive surgery.](#) Munk S et al. Acta Orthop. (2012)

[Comparative study between 2 cm limited quadriceps exposure mi](#)
[total knee arthroplasty in quadriceps function: prospective rando](#)
J Med Assoc Thai. (2008)

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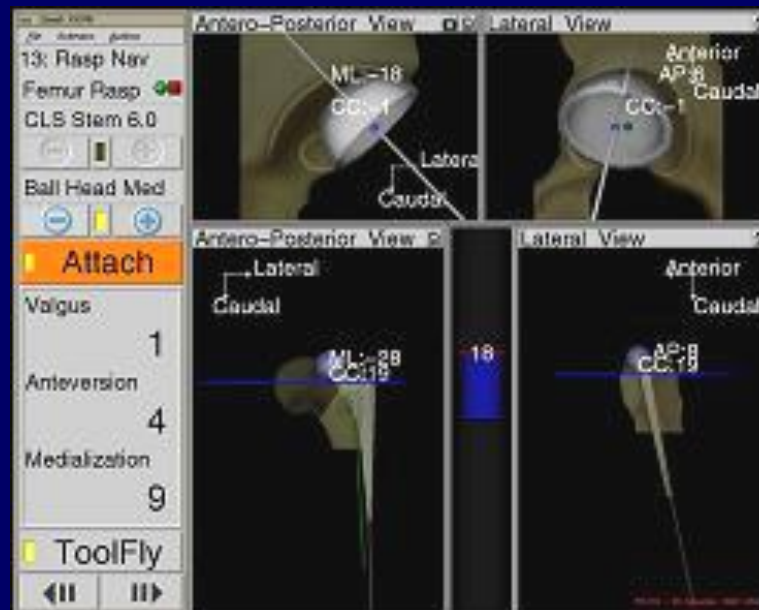
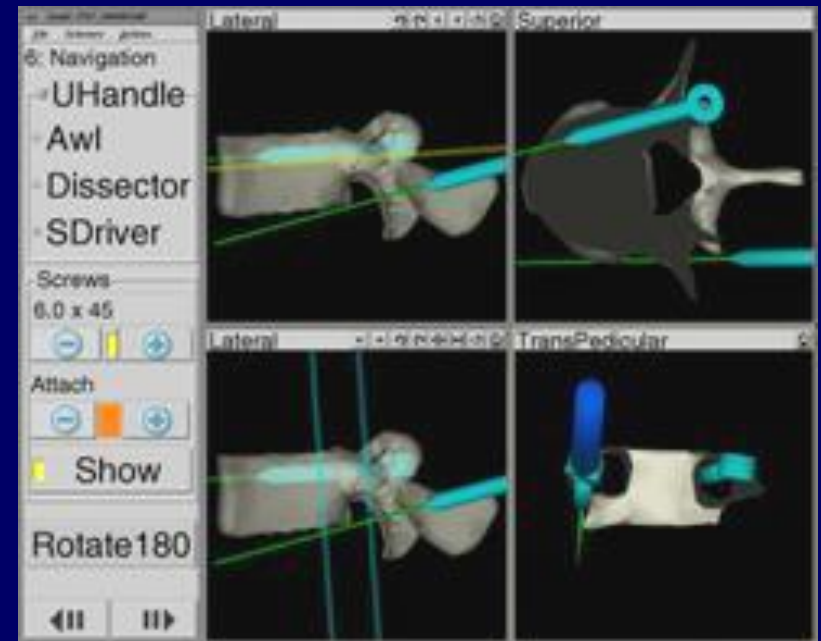
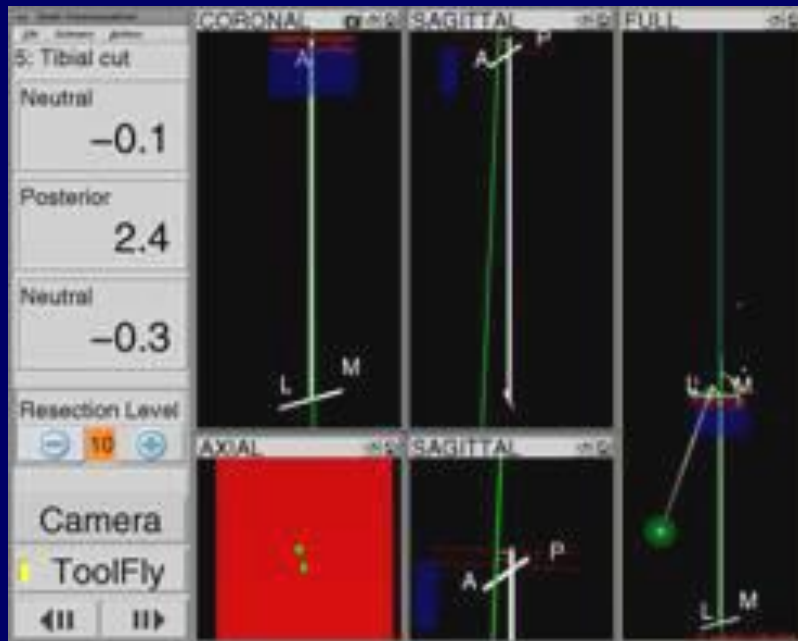
PTG

RIVOLUZIONE





C omputer
A ssisted
S urgery



EVOLUZIONE



PTG



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Best matches for robotic orthopaedic:

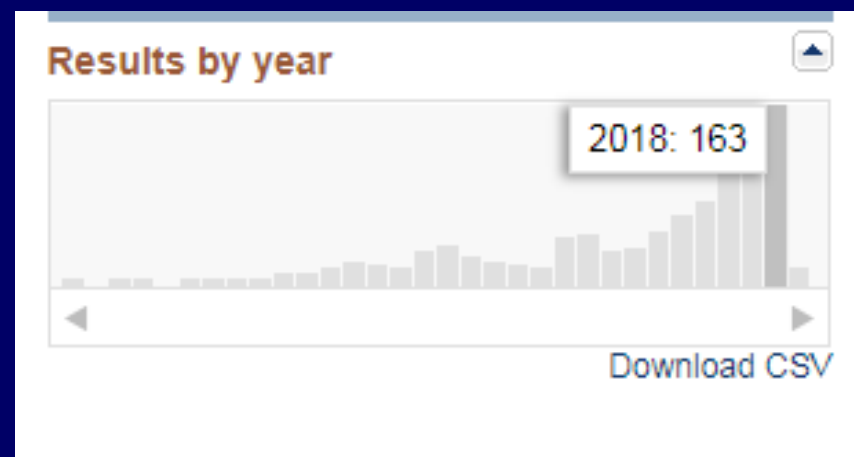
[Robotics in Arthroplasty: A Comprehensive Review.](#)
Jacofsky DJ et al. J Arthroplasty. (2016)

[Robotics in trauma and orthopaedics.](#)
Karuppiiah K et al. Ann R Coll Surg Engl. (2018)

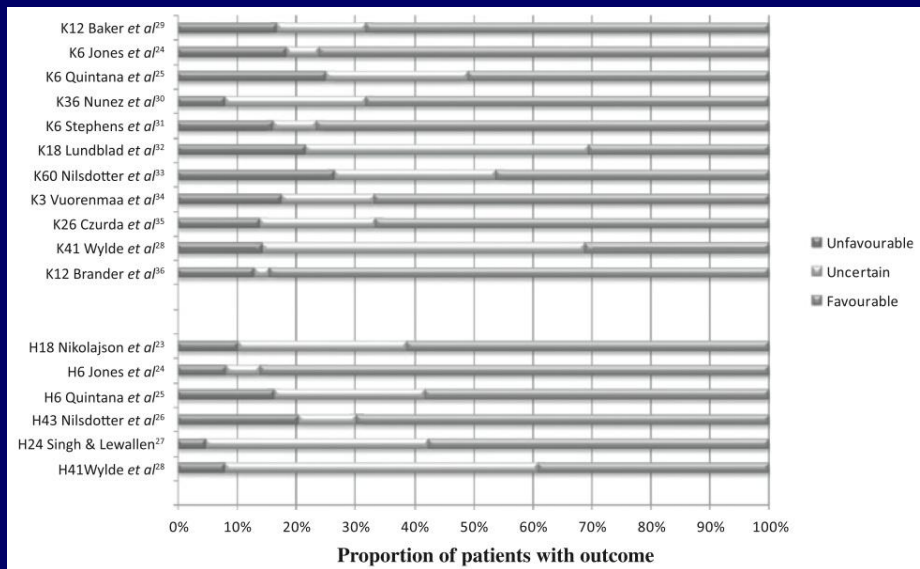
[Robotic surgery in trauma and orthopaedics: a systematic review.](#)
Karthik K et al. Bone Joint J. (2015)

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DOPO LA PROTESIZZAZIONE DI ANCA E GINOCCHIO UNA PERCENTUALE SIGNIFICATIVA DEI PAZIENTI LAMENTA LA PERSISTENZA DI DOLORE ARTICOLARE.



Protesi di ginocchio dolorose 20%
(10% - 34%)

Protesi di anca dolorose 9%
(7%- 23%)

What proportion of patients report long-term pain after total hip or knee replacement for osteoarthritis? A systematic review of Prospective studies in unselected patients

Beswick A.D., Wylde V., Gooberman-Hill R., Blom A., Dieppe P.
BMJ Open 2012 2:1 Article Number e000435

EVOLUZIONE



PTA / PTG

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PubMed ▾ fast track orthopaedic |

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Best matches for fast track orthopaedic:

[Orchestrating care through the fast-track perspective: A provision of individualised nursing care in orthopaedic fa](#)
Berthelsen CB et al. Int J Orthop Trauma Nurs. (2017)

[The first 6 weeks of recovery after primary total hip arthro](#)
Klapwijk LC et al. Acta Orthop. (2017)

[Time-driven Activity-based Cost of Fast-Track Total Hip a](#)
Andreasen SE et al. J Arthroplasty. (2017)

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STRATEGIA



TATTICA

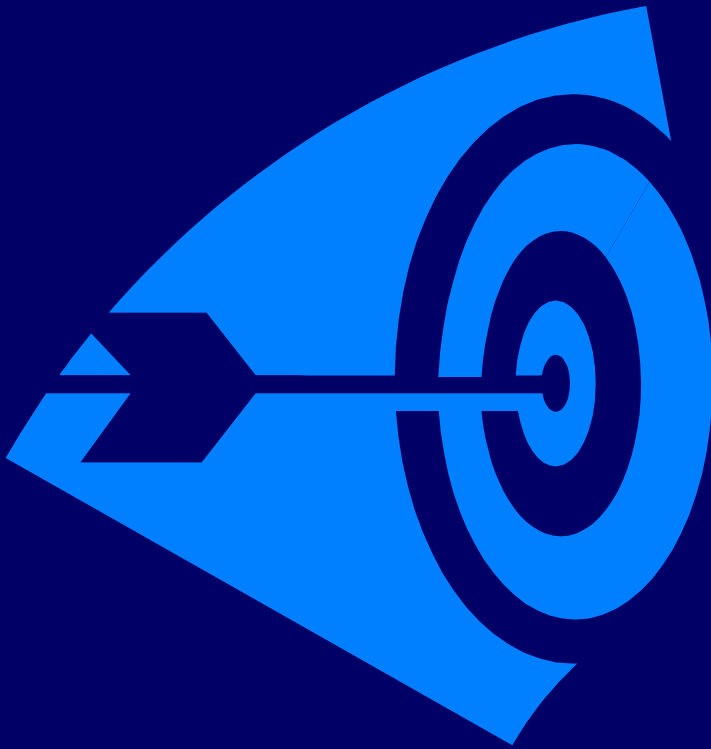
PROCEDURA

➤ *SEMPLICE*

➤ *SICURA*

➤ *PRECISA*

➤ *RIPRODUCIBILE*

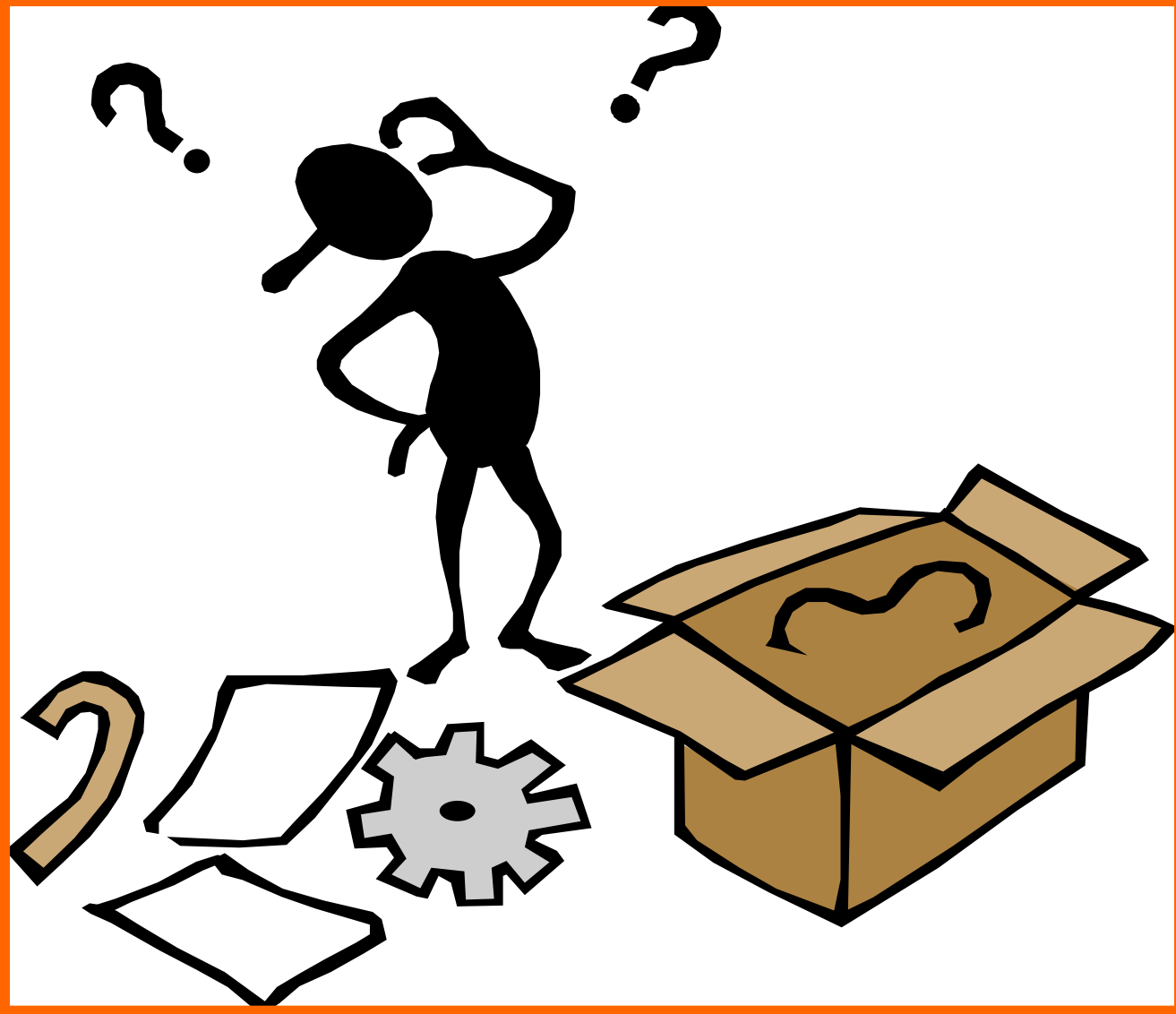


➤ RISPETTO STRUTTURE

➤ RIPRODUZIONE ANATOMIA

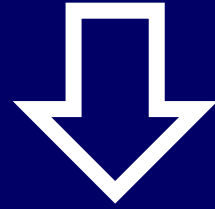
➤ RISPETTO BIOMECCANICA

➤ STABILITA' PRIMARIA

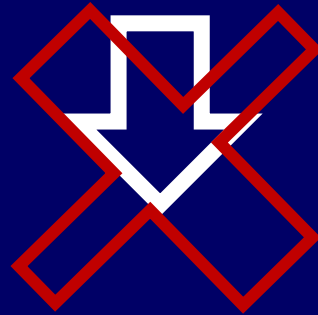


MATERIALI

PROBLEMA



SOLUZIONE



PROBLEMA

PTA - PTG

REVISIONI: CAUSE

MOBILIZZAZIONE ASETTICA

> “*meccanica*”

> « *biologica* »

MOBILIZZAZIONE SETTICA

> “*acuta*”

> “*cronica*”



OBJECTS IN MIRROR ARE
CLOSER THAN THEY APPEAR



mod. 1963

Vespa 150

USO E MANUTENZIONE



PIAGGIO

**GARANZIA
VESPA**



