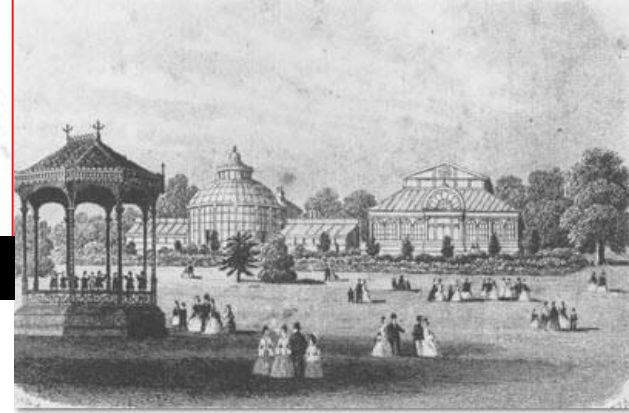




Istituto Ortopedico Rizzoli



A simple prognostic scoring system for non metastatic osteosarcoma of the extremity

S. Ferrari, M. Serra, A. Longhi, M. Alberghini, P. Ruggieri, E. Palmerini, E. Staals, M. Mercuri, M. Abate, P. Picci



**Non-metastatic osteosarcoma of the extremity
773 patients [median age 15 years (3-40)]**

1983-2000

Neoadjuvant chemotherapy with MTX-CDP-ADM-IFO

10-year DFS 58% (95%CI 54-61)

Multivariate analysis:



**LDH
SAP**

Independent prognostic factors of DFS

Histology (osteoblastic and chondroblastic vs others)

Scoring system

Score 0 : absence

Score 1 : 1 factor

Score 2 : 2 factors

Score 3 : 3 factors

Zero

One

Two

Three

(p= 0.001).

The scoring system was implemented by the addition of grade of **chemotherapy-induced tumor necrosis** and PgP expression

The scoring system was implemented by the addition of grade of chemotherapy-induced tumor necrosis and PgP expression (168 pts)



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- It is possible to stratify patients with non metastatic osteosarcoma of the extremity by means of a simple score based on easily available clinical parameters.
- No late recurrence (after 5 years) in patients with score 0 or 3
- This scoring system is worth to be validated on larger series.