

AACR Annual Meeting²⁰⁰⁷
April 14-18, 2007

Los Angeles, CA

Presentation Title: 3517 Abstract Number:

Modified triple test score (MTTS) for the evaluation of palpable
breast masses in women under age 40

Presentation Start/End Time:
Tuesday, Apr 17, 2007, 8:00 AM -12:00 PM

Location:
Exhibit Hall, Los Angeles Convention Center

Poster Section:
7

Poster Board Number:
8

Author Block:

Mehrdad Mokri

,

Masoumeh Guity, Siamak Shariat Torbaghan,
Mostafa Bagerzade, John T. Vetto, Morteza Atri. Day
General Hospital, Tehran, Iran (Islamic Republic of),
Tehran University of Medical Sciences, Tehran, Iran
(Islamic Republic of), Oregon Health Science
University, Portland, OR

Evaluating the usefulness of

Introduction:
Modified Triple Test Score (MTTS) in
palpable breast masses in women under
age 40.

Medical records of 67 Materials and Methods:

cases with the data of physical
examination, ultrasonography and
fine-needle aspiration cytology (FNAC) were
evaluated and MTTS was calculated and
correlated with post operation pathology
result and fallow up.

Results:

Among 67 masses, 6 scored 3 points, 30
scored 4 points; 11 scored 5 points; 1 was
malignant. 20 scored ≥ 6 points: all
were malignant. Of the 11 masses with
score of 5, which considered as suspicious
10 were benign masses, 1 was malignant
mass. The MTTS has 100% diagnostic
accuracy when other than 5 points. Masses
scoring ≥ 6 points may proceed to
definitive therapy.

Conclusions:

The MTTS reliably guides evaluation and

treatment of breastpalpable breast masses in women under age 40. MTTS 3 or 4 are always benign and with scores greater than or equal to 6 are malignant and should be treated accordingly. This approach avoids open biopsy in the majority of cases, while capturing all malignancies. The MTTS provides equivalent diagnostic effectiveness but substantially lower cost than traditional management