



**RISULTATI DEL CONTROLLO DI QUALITA' PER L'ANALISI  
MUTAZIONALE DI BRAF NEL MELANOMA PROMOSSO DA  
AIOME SIAPEC-IAP**

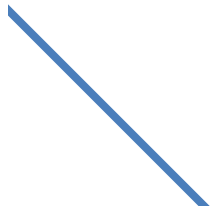
ROMA 22 SETTEMBRE 2012

# The Italian AIOM-SIAPEC quality assurance program for BRAF testing

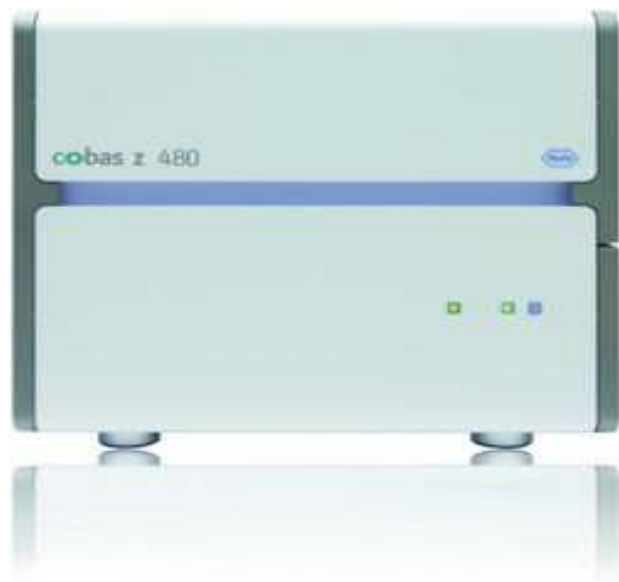


# The Italian AIOM-SIAPEC quality assurance program for BRAF testing

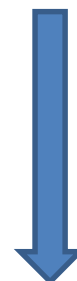
- Selection of melanoma specimens with at least 50% tumor cells
- Analysis of tissues in at least four different reference laboratories with at least four different techniques
- Selection of 20 cases for which 100% concordance was reached among reference laboratories
- Shipment of 1 slide (2 sections x 10 $\mu$ m) for each case to the centers that joined the program
- Centers can run the molecular analysis with the technique that they routinely use



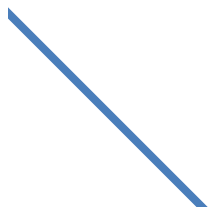
# Methods used for BRAF testing



**TUTTI I CENTRI HANNO  
VALUTATO I CAMPIONI IN  
COBAS**



**LA ROCHE HA INSTALLATO 4 COBAS SUL  
TERRITORIO NAZIONALE E FORNITO KIT  
NECESSARI PER IL CQ DI BRAF**



## **METODICHE UTILIZZATE PER LA VALUTAZIONE DELLE MUTAZIONI**

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**SEQUENZIAMENTO DIRETTO 3 CENTRI  
PIROSEQUENZIAMENTO 1 CENTRO  
PCR-REAL TIME 1 CENTRO**



**SOLO I CAMPIONI CHE HANNO AVUTO UNA  
CONCORDANZA DEL 100% IN TUTTI I CENTRI SONO  
STATI SCELTI**

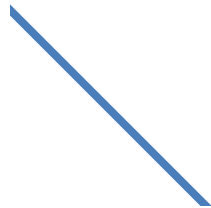
## Score per case

- **Only genotypes were scored**
- **Scoring system:**
  - Correct genotype: 2.00
  - Error in mutation nomenclature: 1.50
  - Test failure giving no result on the sample: 1.00 for the first sample, 0 from the second
  - False-positive or false-negative results: 0



**TRESHOLD TO PASS > 18,5**

**HANNO ADERITO AL PROGETTO 82 CENTRI- 5 CENTRI ORGANIZZATORI**



# BRAF QUALITY

Associazione - BRAF-Quality - Windows Internet Explorer

https://brafquality.it/site/modules/associazione/

File Modifica Visualizza Preferiti Strumenti ?

Associazione - BRAF-Quality

Home Associazione

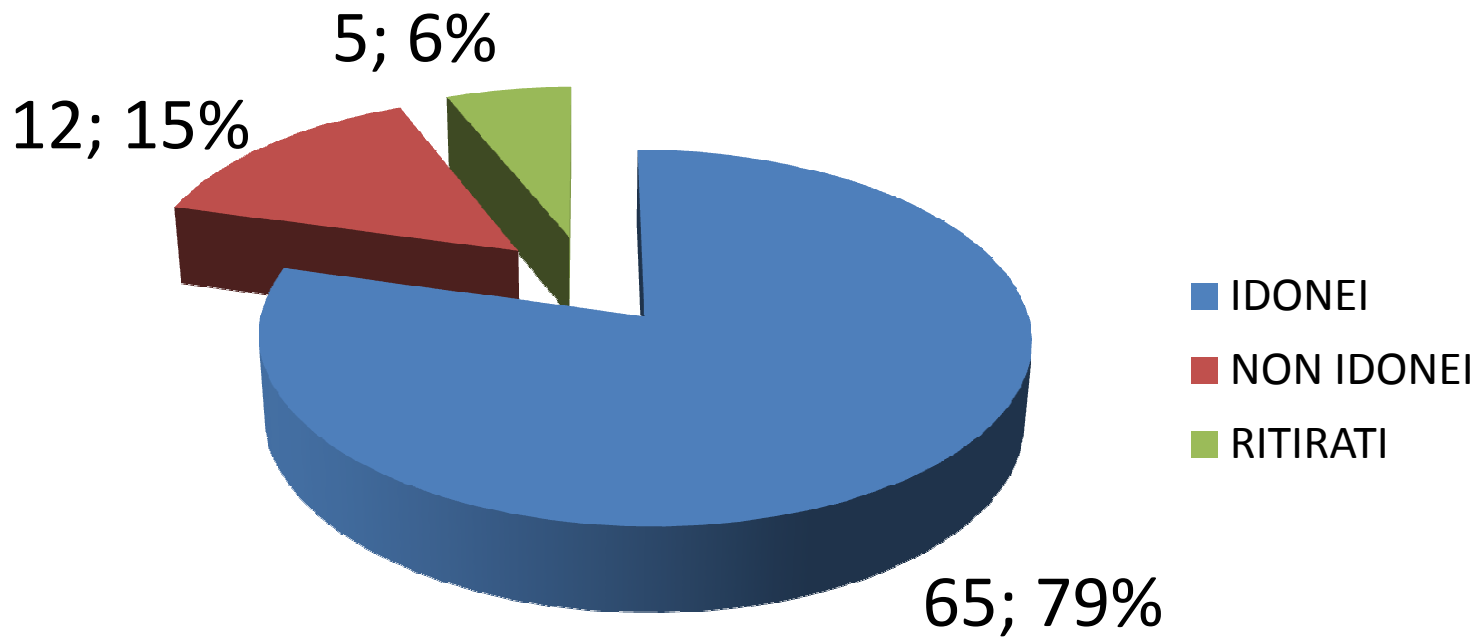
Benvenuto **Associato**, lei è attualmente collegato al pannello di controllo dell'utente **Associazione**

Gestione Utenza	Gestione Campagna	Gestione Spedizioni	Gestione Esiti	Gestione Report

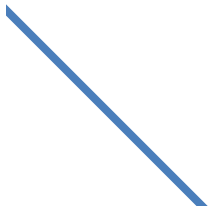


# Results of the first italian BRAF QA

## I ROUND

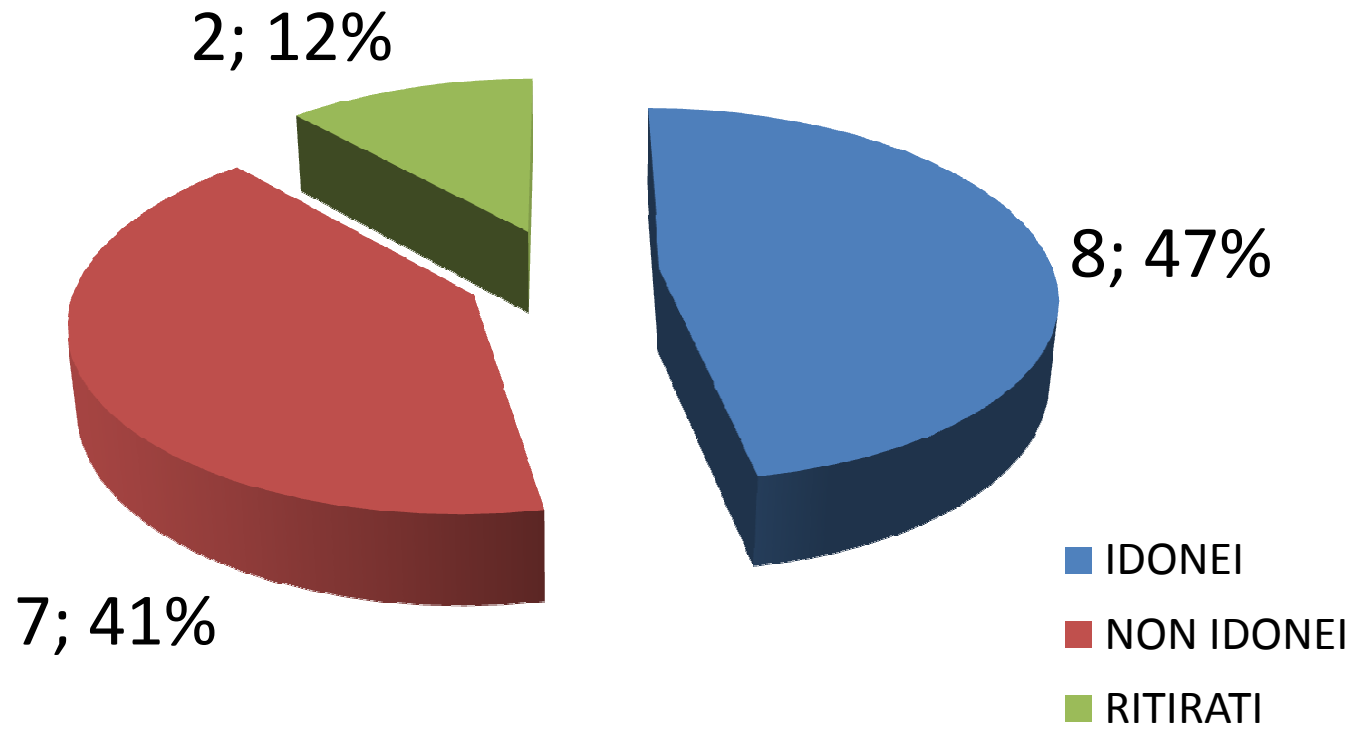


Totale 82 centri



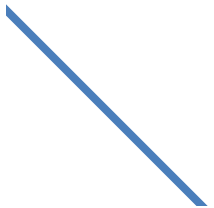
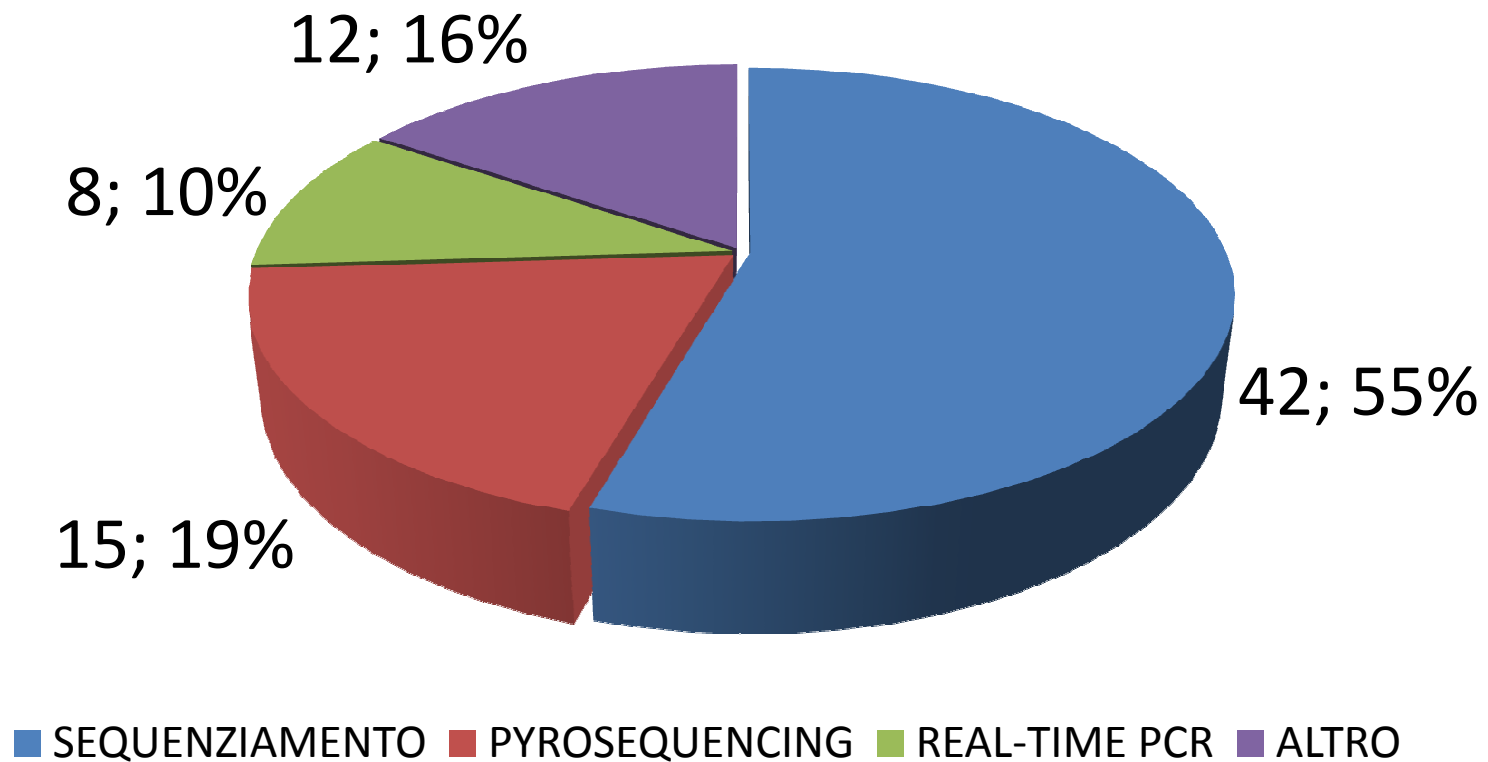
# Results of the first italian BRAF QA

## II ROUND

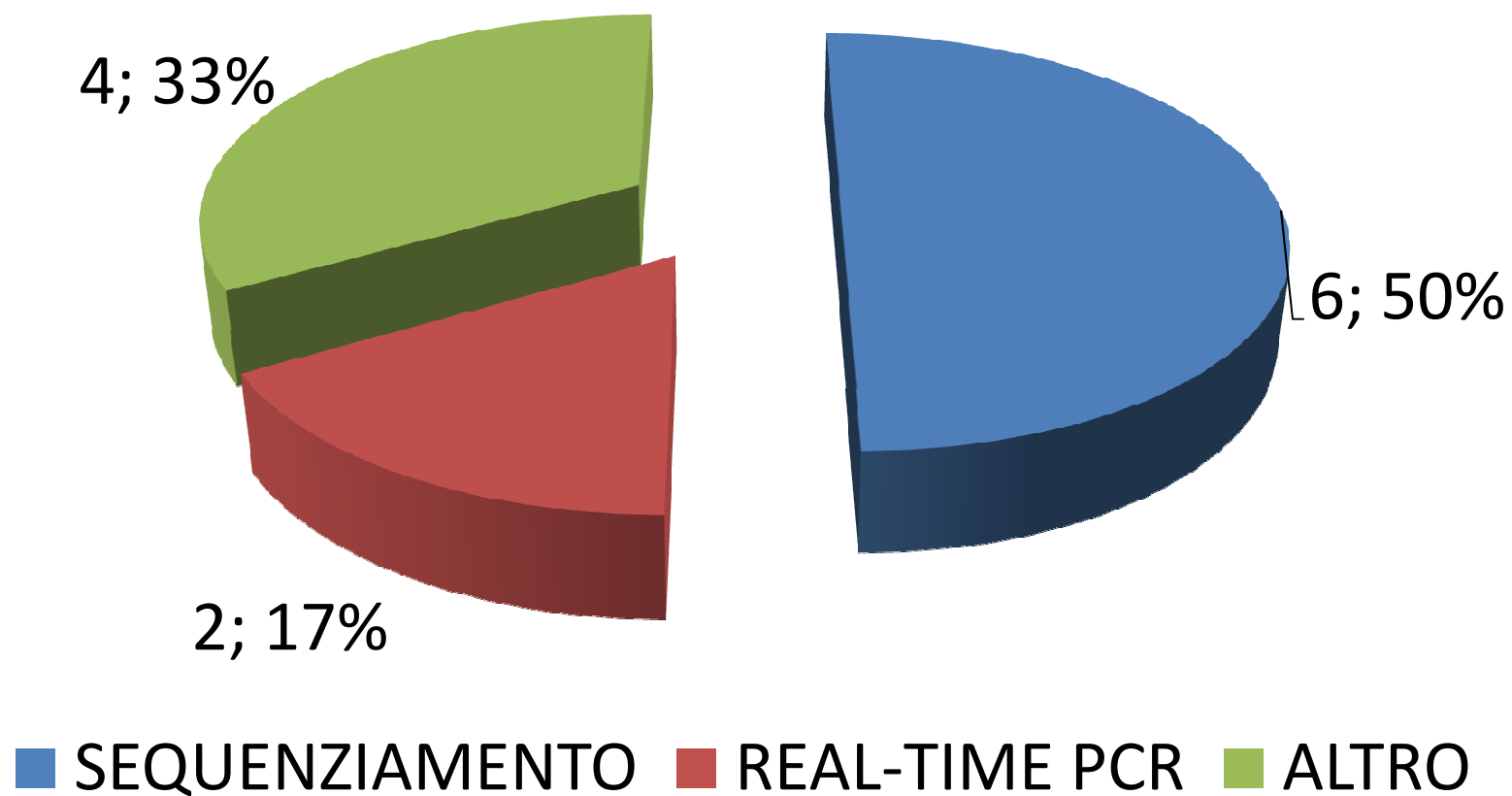


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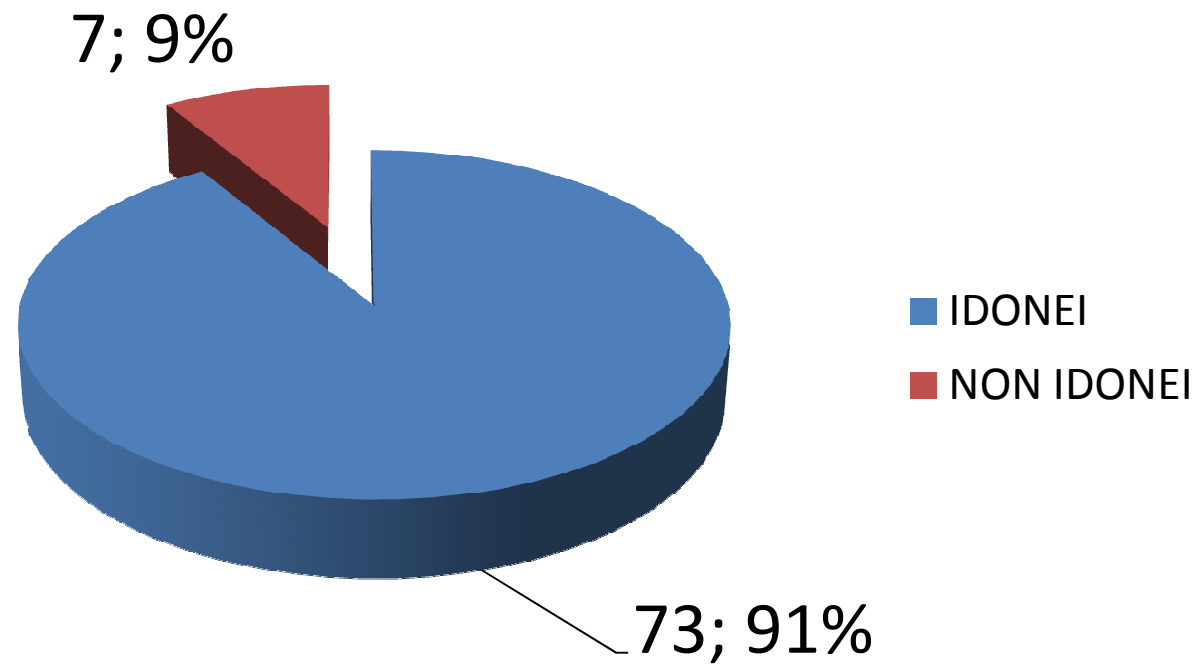
## I ROUND



# Methods used for BRAF testing II ROUND



# Final data of the first Italian BRAF QA



## Lesson learned from BRAF QA

- The majority Italian laboratories are willing to participate to a quality control program
- BRAF mutational analysis is performed with high quality in the majority of the Italian centers: 73/80 (91%)

