

XXXIII CONGRESSO NAZIONALE AIRO

AIRO2023

BOLOGNA,
27-29 OTTOBRE 2023

PALAZZO DEI CONGRESSI

Radioterapia Oncologica: l'evoluzione al servizio dei pazienti



Associazione Italiana
Radioterapia e Oncologia clinica

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Radioterapia Oncologica: l'evoluzione al servizio dei pazienti

RADIATION THERAPY IN NON-MELANOMA SKIN CANCER (NMSC): AN ITALIAN SURVEY ON BEHALF OF PALLIATIVE CARE AND INTERVENTIONAL RADIOTHERAPY STUDY GROUPS OF ITALIAN ASSOCIATION OF RADIOTHERAPY AND CLINICAL ONCOLOGY (AIRO)

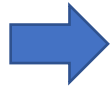
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Radiotherapy Unit
Responsible Research Hospital, Campobasso

No Conflict of Interest to declare.

Patients characteristics

- Age
- Disease stage
- Comorbidities
- Performance status
- Patient's preference
- Social-economical status
- Distance from RT centre
- Life expectancy

If prognosis is favorable, also long term local control and late toxicity profile must be considered



Tailored treatment



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High Heterogeneity





Palliative Care Study Group and Interventional RT Study Group of Italian Association of Radiotherapy and clinical Oncology (AIRO) proposed a national Survey on Radiotherapy for non-melanoma skin cancer



Endpoint:

To investigate the experiences of the various Italian Radiotherapy Centers in order to verify what was the real-world practice at a national level, with a specific focus on the techniques and fractionations used.

Survey structure



Q1-9: general information on the RT centre and the radiation oncologist

Q10-14: data on the number of treated NMSC in each centre

Q15-21: data on the factors influencing the treatments

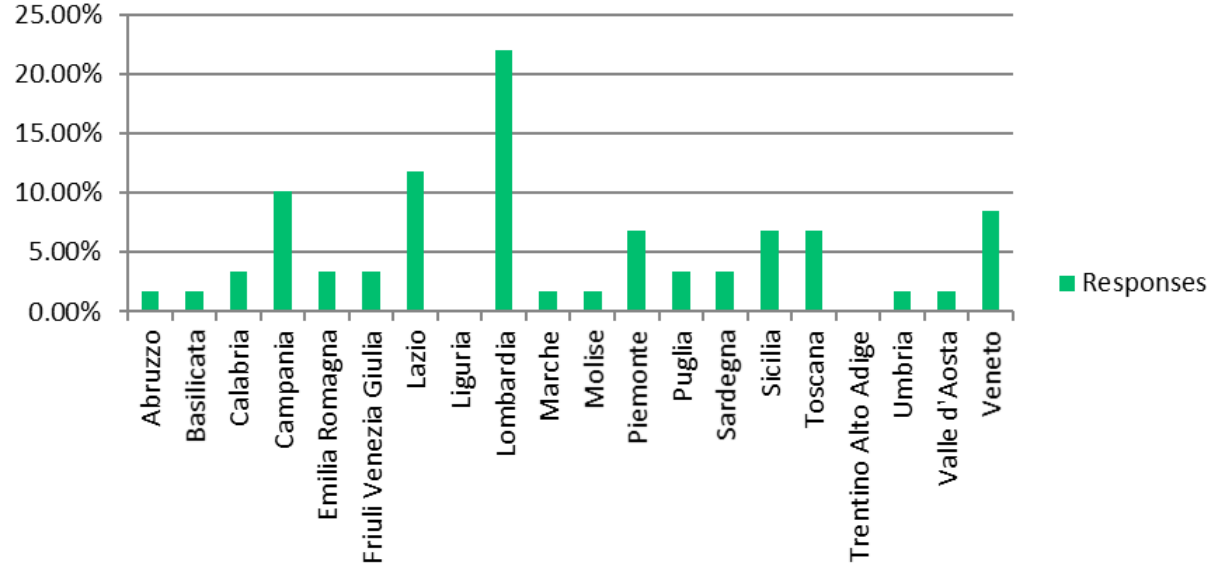
Q22-23: data on EBRT/electron treatment

Q24-25: data on IRT/BRT treatment

Q26-28: data on re-RT

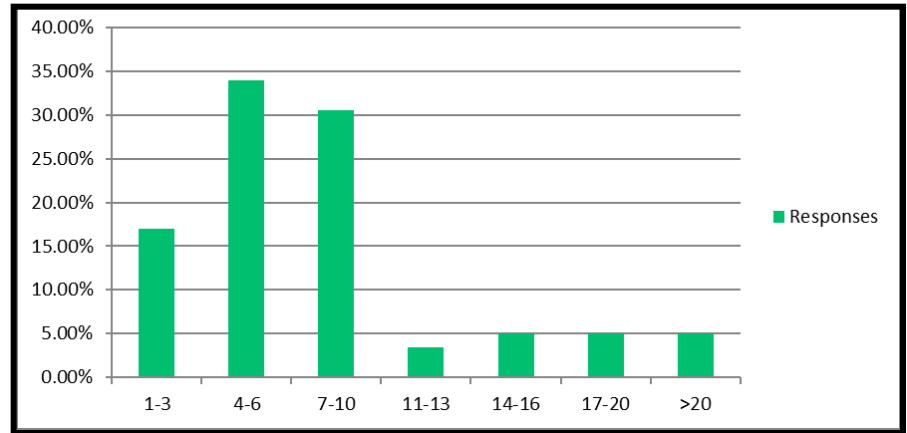
- Data from:**
- **58 Radiation Oncologists**
 - **54 Centres**
 - **20 Regions**

Timeframe:
June 2022-July 2022

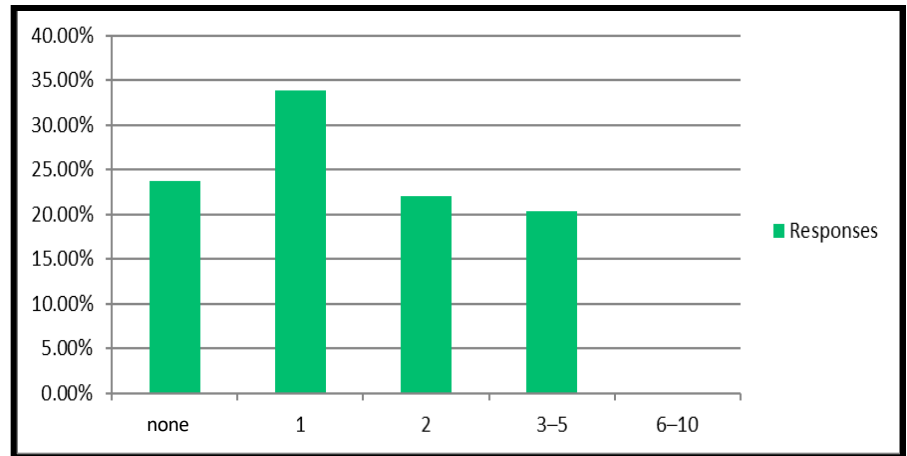


General Information

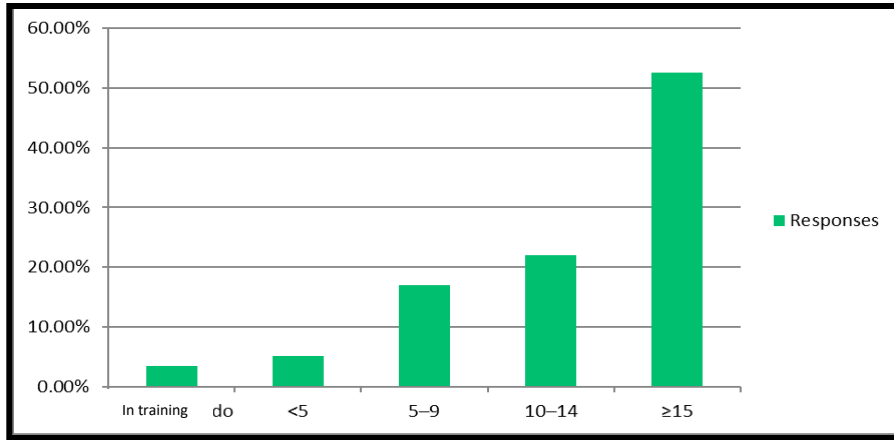
Number of Radiation oncologist in your center



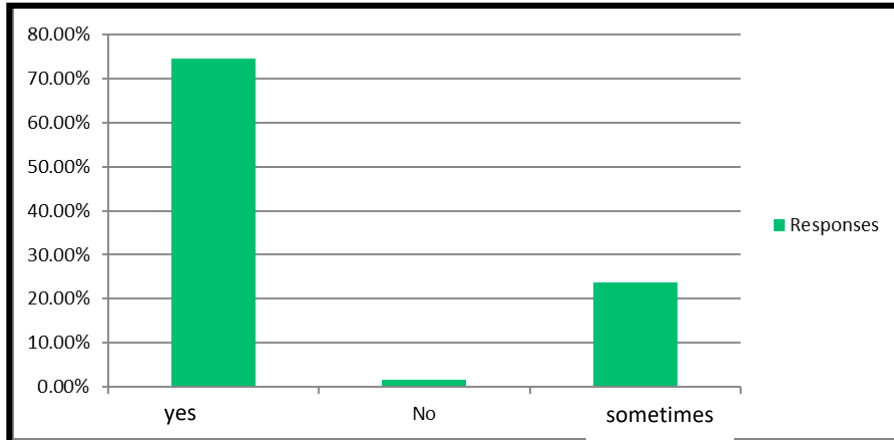
Number of Radiation oncologist in your center dedicated to NMSC



General Information



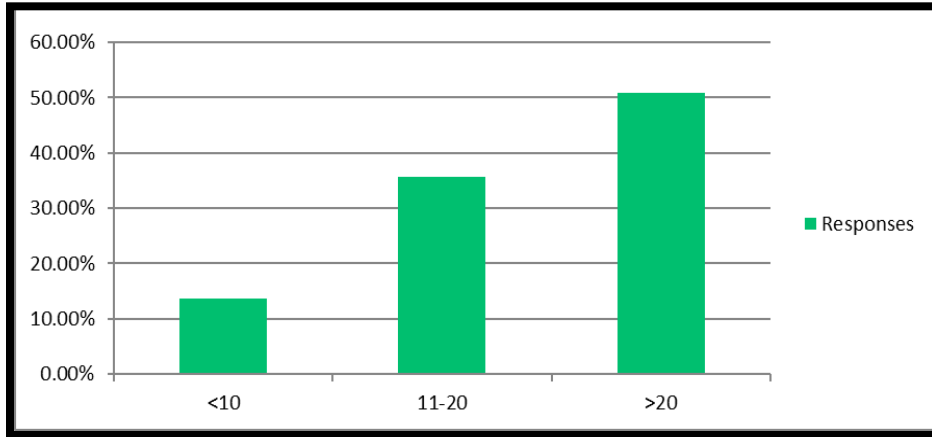
How many years of experience do you have?



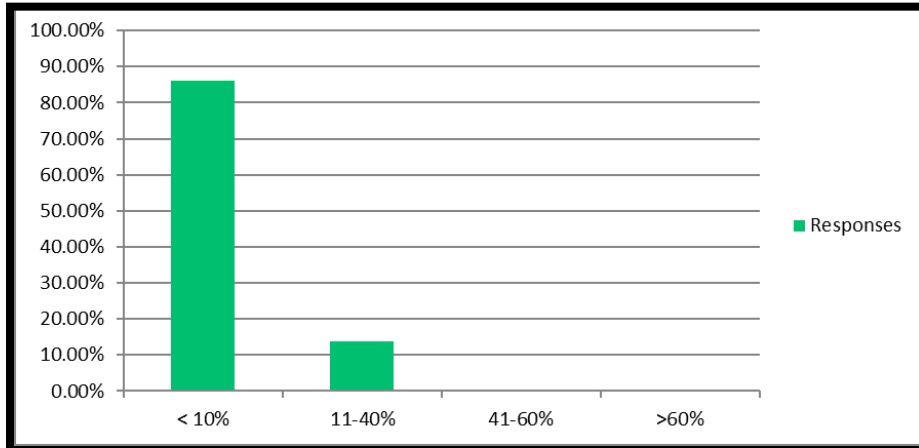
Do you personally treat NMSC patients?

NMSC treatment Information

Number of NMSC patients treated in your center per year

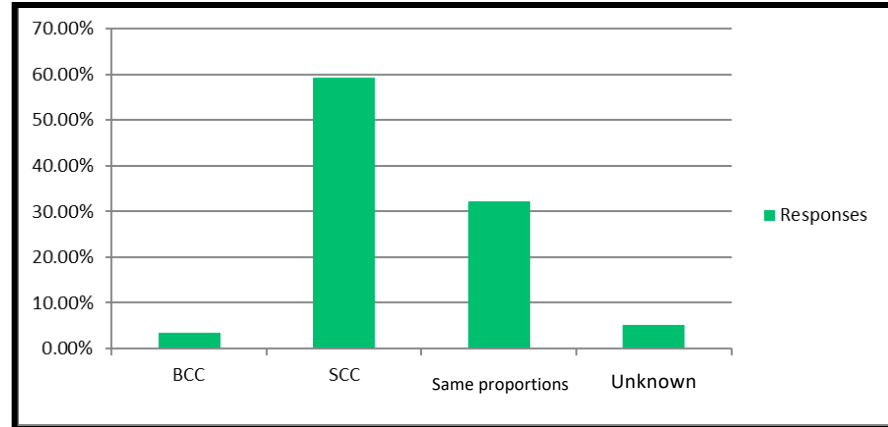


In how many cases systemic therapy is associated with radiotherapy

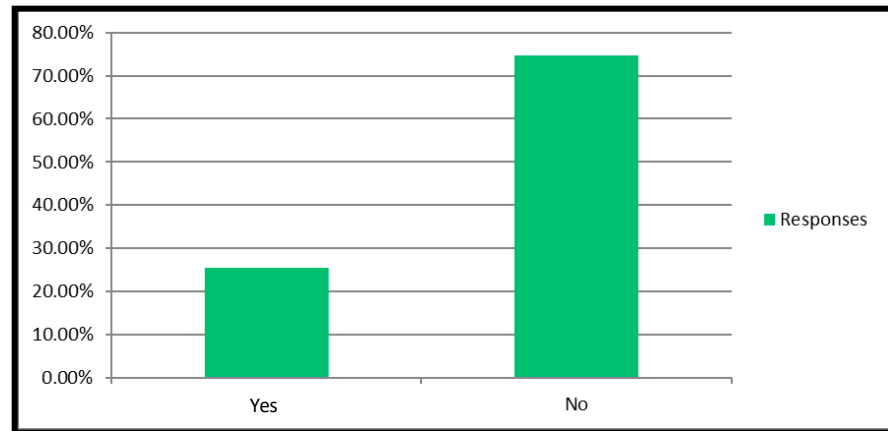


NMSC treatment Information

Prevalent hystologies:

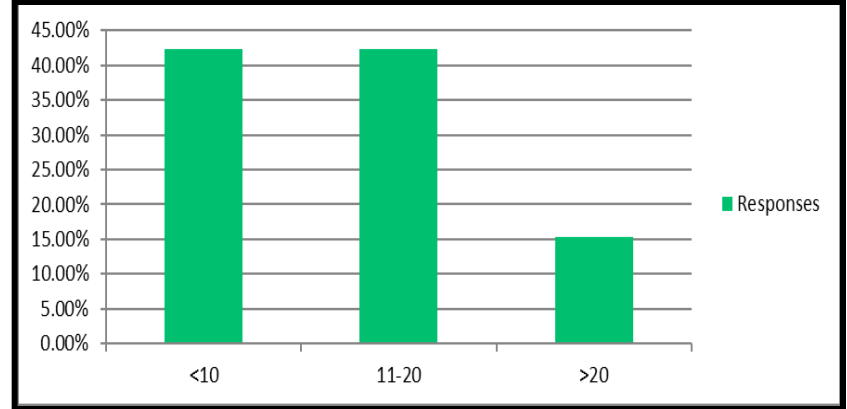


In your center a BRT treatment could be offered?

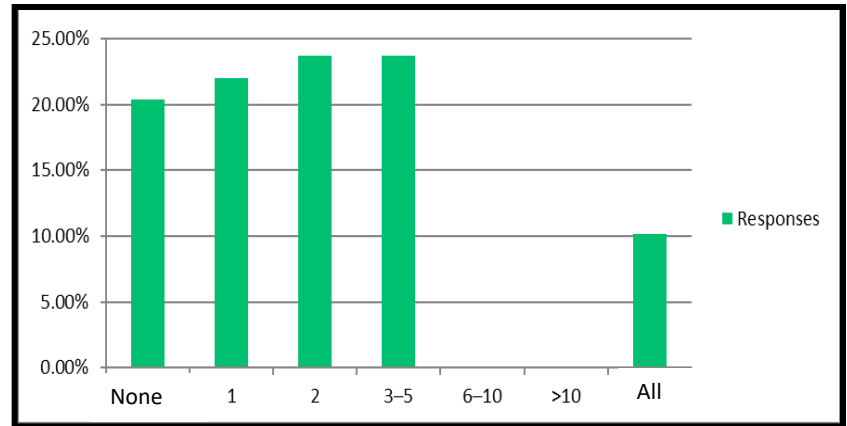


NMSC treatment Information

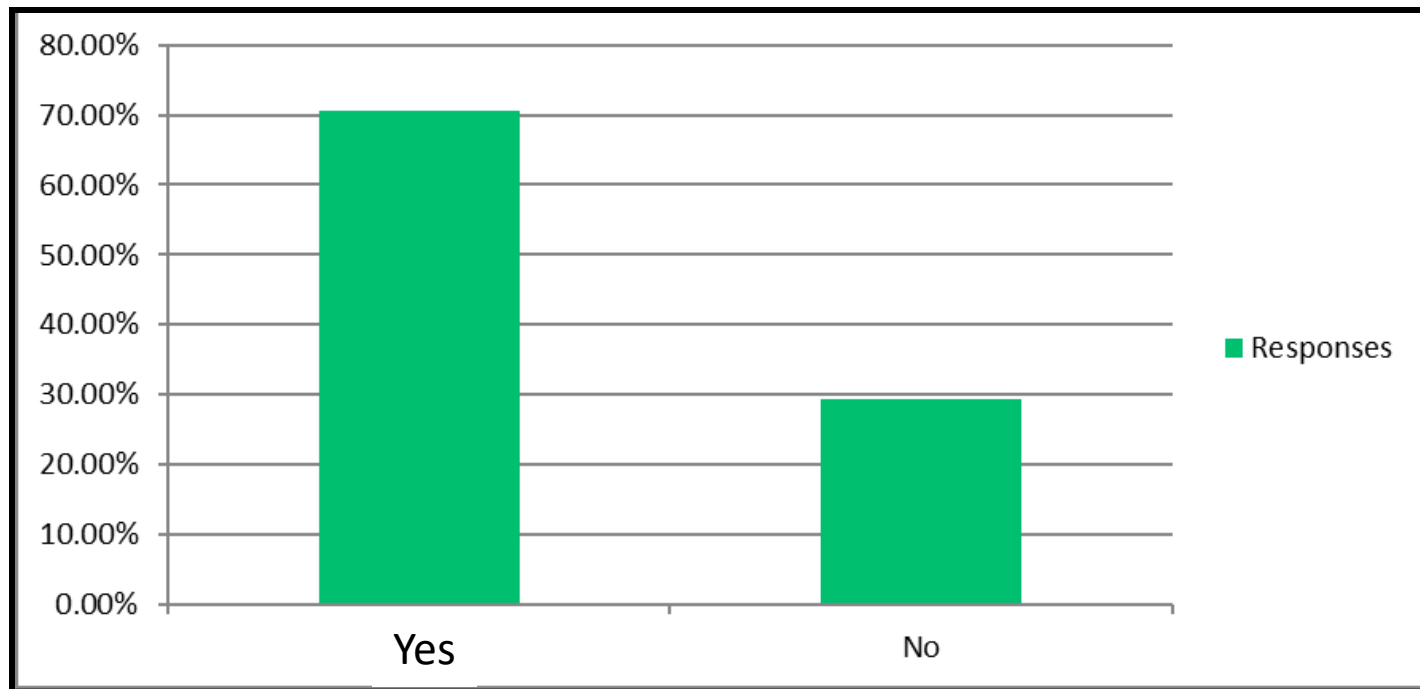
Palliative NMSC treatment in your center per year



Number of radiation oncologist dedicated to this palliative type of treatment

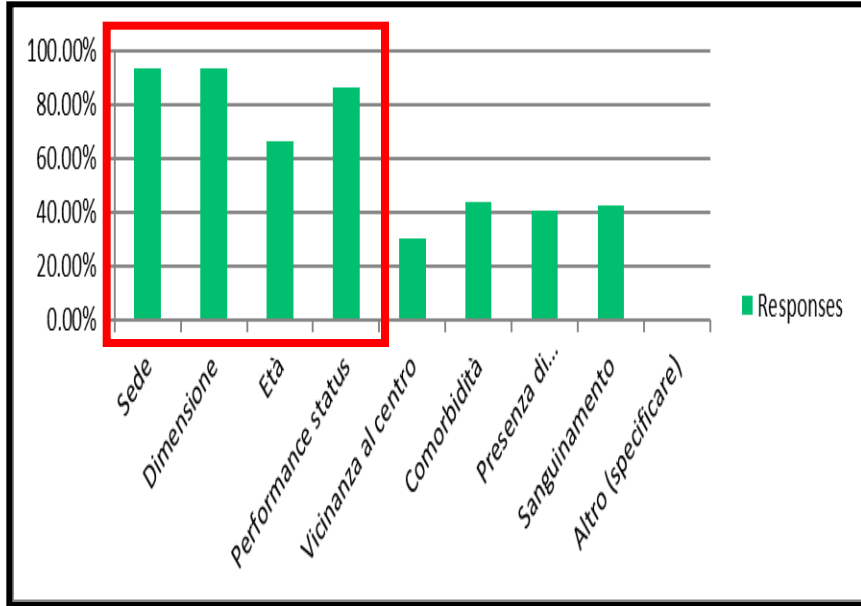


Are the cases discussed in a Multidisciplinary Tumour Board (MTB)?

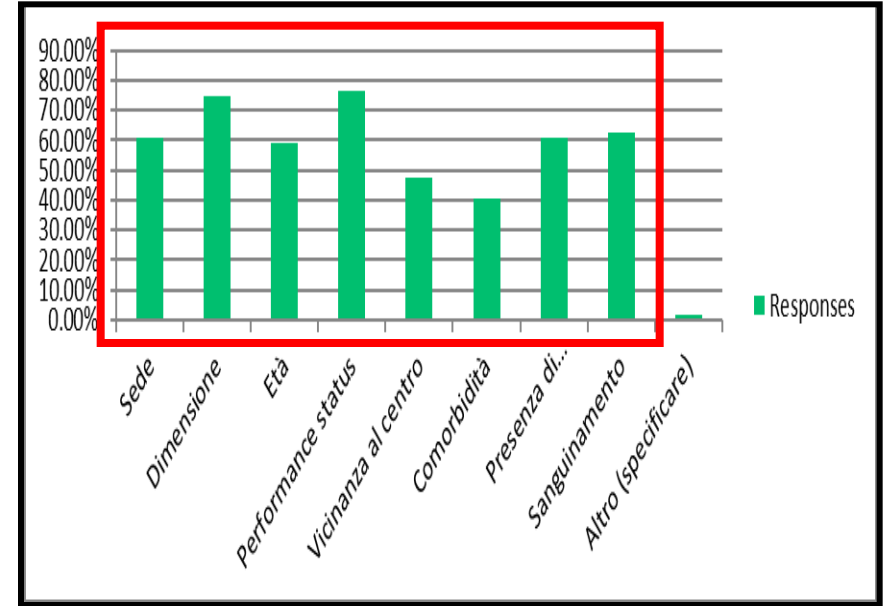


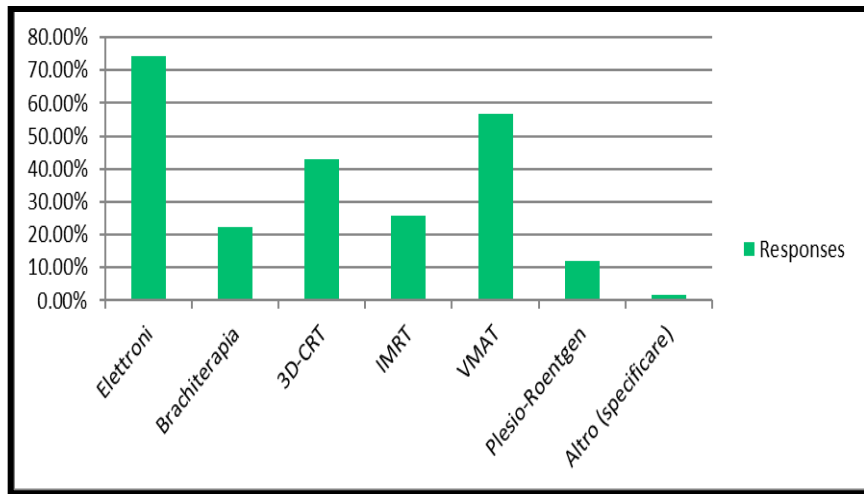
Which patients characteristics do you consider in the dose/technique choice in the...

...Curative setting?

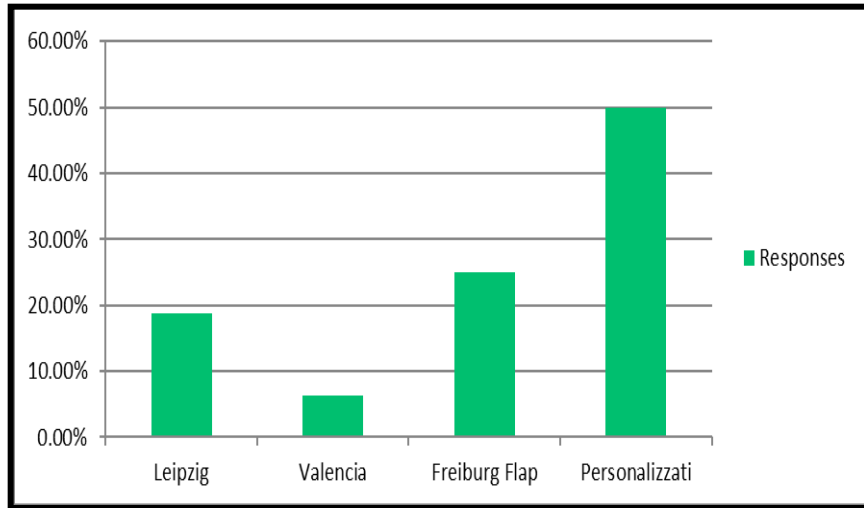


...Palliative setting?

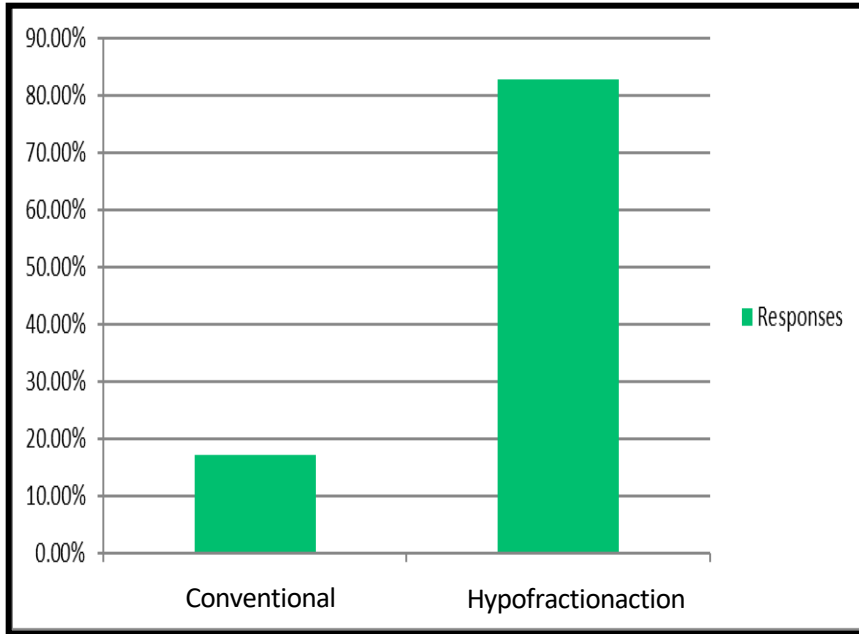




Which technique do you prefer for these lesions? (more than one choice possible)



Which type of applicator do you prefer for BRT treatment? (more than one choice possible)



What kind of fractionation regime do you prefer?

EBRT/electron curative treatment

*Which dose?
(more than one choice
possible)*

46 Options

60Gy in 30 fx
66Gy in 33 fx
50 Gy in 20/25 fx

Fractionation	N
30/5fx	1
30/6fx	1
35/5fx	3
36Gy/6fx	3
40/10fx	3
44/10fx	1
50/10fx	2
50/20fx	9
50/25fx	4
50/30fx	1
51/17fx	3
55/22fx	1
55/20fx	3
55/18fx	1
57,5/23fx	1
54/18fx	1
60/30fx	22
60/24fx	1
67,5/30fx	1
66/33fx	10

Fractionation	N
62,5/25fx	1
65/26fx	2
6Gy/1fx	1
70,95/33fx	1
64/32fx	2
70/35fx	4
54/17fx	1
50/22fx	1
52/13fx	1
70/16fx	1
39/13fx	1
10Gy/1fx	1
45/15fx+6/2fx	1
24/3fx	1
30-40/11-15fx	1
54/20fx	1
60/25fx	1
42/7fx	1
60/10fx	1
60/20fx	2
42/6fx	1
45/15fx	1
50-55/10fx bewekly	1
55/25fx	1
54/27fx	1
56/16fx	1

EBRT/electron palliative treatment

*Which dose?
(more than one choice possible)*

53 Options

30Gy in 10 fx

20Gy in 5 fx

Also SBRT
treatments:
30Gy in 6 fx
35 Gy in 5fx

Fractionation	N
30 Gy/6fx	1
30/10fx	21
25/5fx	3
14,8 Gy / 4 fx (bid , 1 ciclo, max 3 cicles	1
40/10fx	3
49/14fx	1
36 Gy /12 fx	3
3675 cGy in 7 fx.	1
42/14fx	1
51/17fx	1
25Gy/5fx	2
35/5fx	3
35/5-7, bi-weekly	1
40/16	4
44 Gy in 10 fx	1
2.5	1
24 Gy/3	1
14/2	1
36 Gy / 13 fx	1
20Gy/5fx	10
8 in 1fx	2
44/10fx	1
30/5fx	3
Variable: from 20 to 30 Gy	1
30-36Gy/300cGy	1
50/20 fx	3
45/10 fx	2

Fractionation	N
30 Gy/5 fx 2 week	1
60/30	1
35/5 fx (up to 1fx at week)	1
60/10fx	1
40/15fx	3
60Gy/16fx	1
20 Gy/4 fx BID up to a Dtot = 60 Gy	2
40/8-10fx alternateday	1
45/15fx	1
21Gy/3fx	1
30/5, 1volta la settimana	3
20 Gy	1
50 Gy	1
6 Gy weekly for 6 weeks	2
20/10 (2Gy 2BID) – 5days	1
45/18 fx	1
50/25 fx	1
16/2 fx	1
20/4 fx	2
32 Gy / 4 fx (2 fxweekly)	1
40/20 fx	1
24/4 fx	1
27/3 fx	1
35 Gy/5 fx (1 fx at week)	1
51/17 fx	1
39/13 fx	1

BRT curative treatment

*Which dose?
(more than one choice
possible)*

21 Options

40-50Gy/8-10fx

45Gy/9fx

Frazionamento	N
40-50/8-10 fx	6
45Gy / 9 fx	2
50/5 fx	1
32/8 bid interstitial	1
36 Gy / 10 fx	1
54Gy (3fx at week)	1
32/8 fx	1
54/3 fx	1
15/1 fx	1
40/4 fx	1
49/14 fx	1
36 Gy/ 9 fx	1
44 (12 fx with 3 Gy but the first and last one with 4 Gy)	1
52.5/15 fx	1
40/5fx	1
30/3fx	1
55/20fx	1
42 Gy/ 7 fx	1
32-36/8-9 (contact)	1
54/20 fx	1
30Gy/5fx	1

BRT palliative treatment

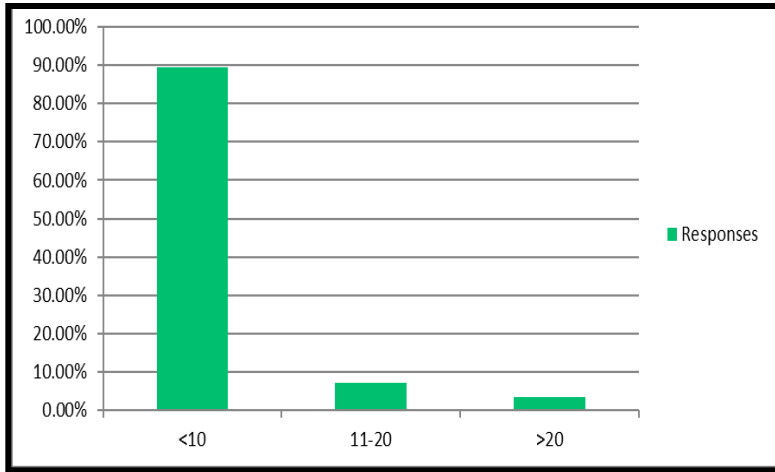
*Which dose?
(more than one choice
possible)*

7 Options

30 Gy in 6fx or
10 fx

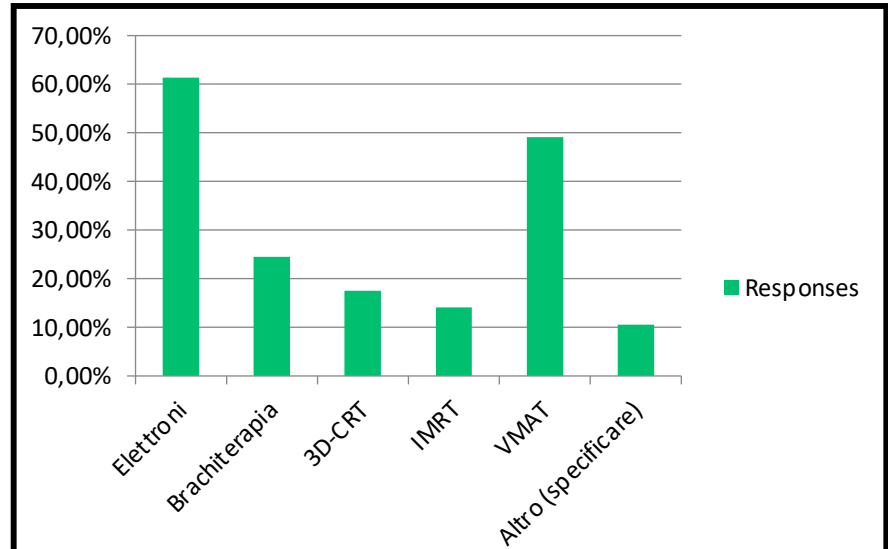
Frazionamento	N
30/6 fx	4
24 Gy / 4 fx	1
45/15 fx	1
20 Gy /5 fx	1
40/8 fx	1
20/2 fx	1
30/10 fx	2

Retreatments



How many Retreatments per year in your centre?

Which technique do you prefer for Retreatments? (more than one choice possible)



Retreatment

*Which dose?
(more than one choice
possible)*

36 Options

30 Gy in 10 fx
20 Gy in 5 fx
8 Gy in 1 fx

Frazionamento	N
66 Gy/55 fx (1.2 Gy BID)	1
55/20 fx	1
24 Gy / 4 fx	1
30/10 fx	15
50/25 fx	3
25Gy/5fx	1
36/12 fx	2
40/10 fx	1
700/3fx	1
30 Gy/20 fx (1.5 Gy BID)	1
30 Gy/6 fx	1
20/5 fx	7
30/15 fx	1
10 Gy/1fx	1
8 Gy/ 1 fx	5
2.5	1
Depends from previous treatemnt	3
20 Gy	1
20/10 (2Gy 2BID) - 5 days	1
Do not know	2

Frazionamento	N
45/25 fx	1
24/4 fx	1
50/20 fx	2
40 in 16 fx	1
54/20 fx	1
70/35 fx	1
6500/26 fx	1
40/32 fx bid	1
30/15 fx	1
30/5 fx (also one fx weekly)	1
25/5fx	2
36/13 fx	1
20/10fx	1
40/15fx	1
6 Gy/6 fx	1
50/20 fx	1

Conclusions

- High treatment heterogeneity in all the settings
- Major role of the single centre experience (especially for doses and fractionactions)
- Need of a more detailed data collection (next step: restrospective study/national registry)



Grazie per l'attenzione

