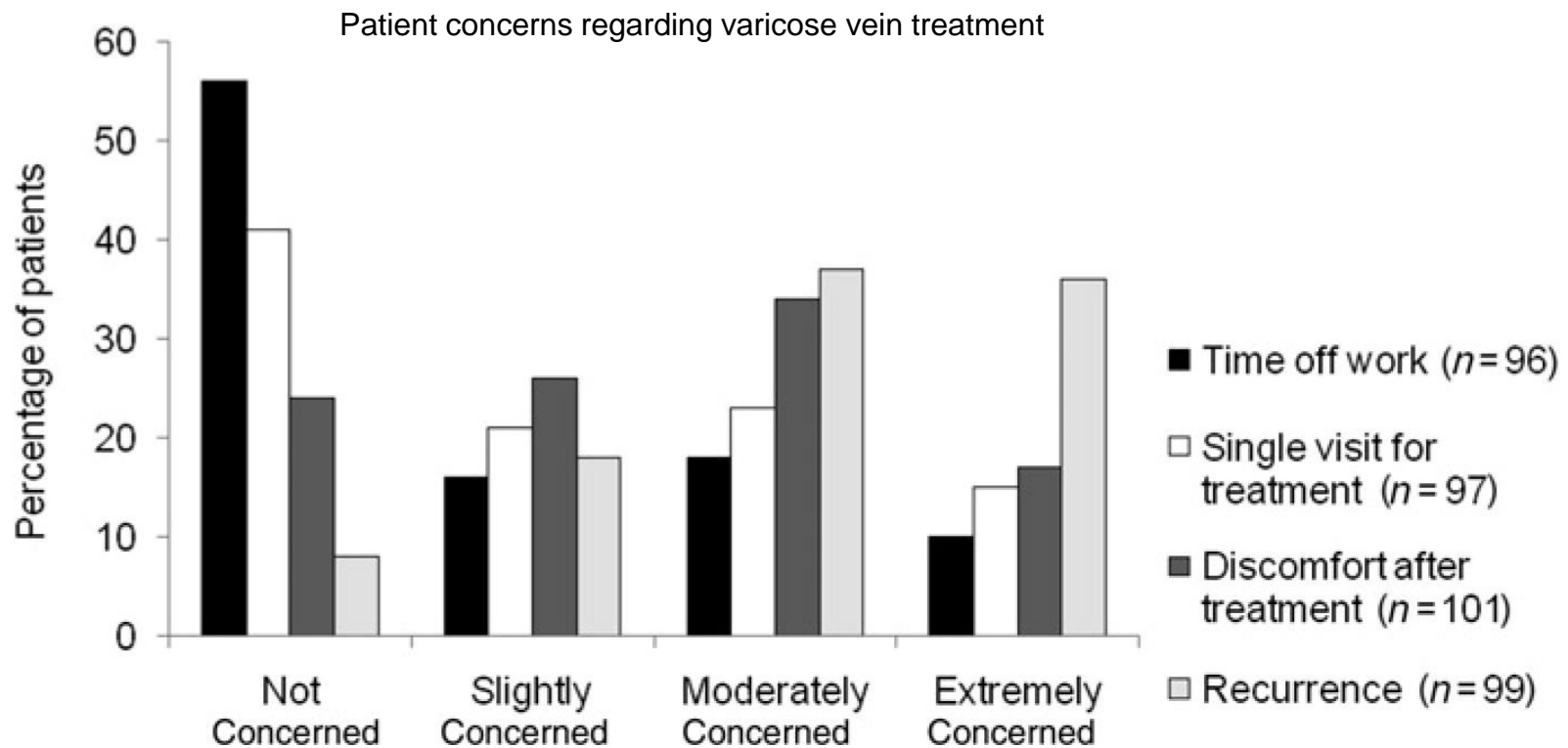


**Long term results of surgical and
endovenous procedures for primary
varicosis
-an analysis of the past RCTs**

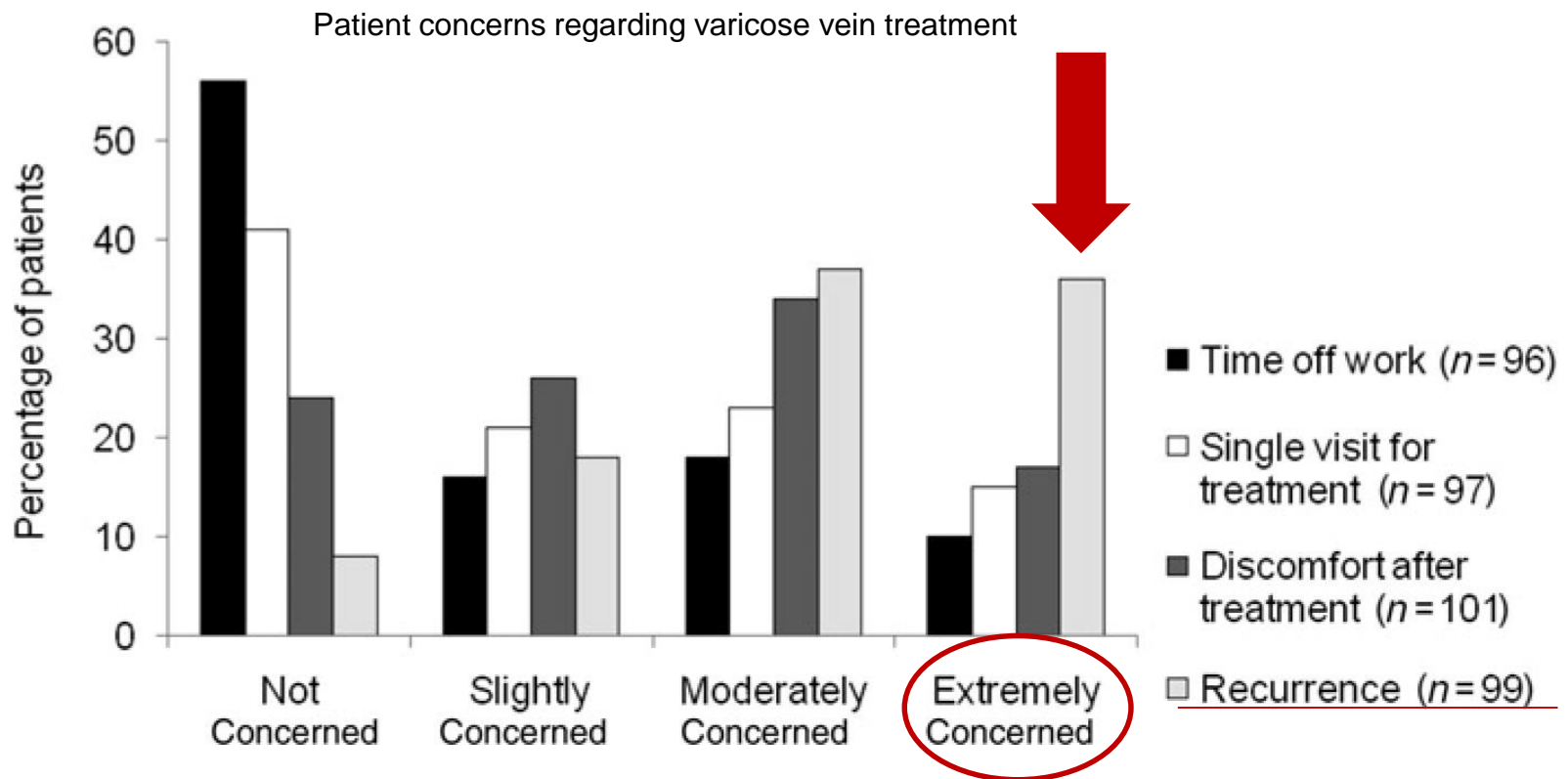
Achim Mumme

7th Munich Vascular Conference 2017

Patient preferences and expectations



Patient preferences and expectations



Recurrence

What does it mean ?

- **Same site recurrence**
 - *Pathologic reflux in the treated anatomic region*
 - = Involvement of the saphenofemoral junction
 - = Failure of the treatment

- **Different site recurrence**
 - *Pathologic reflux in the not treated anatomic region*
 - = Saphenofemoral junction not involved
 - = Progression of the disease

Same site recurrence

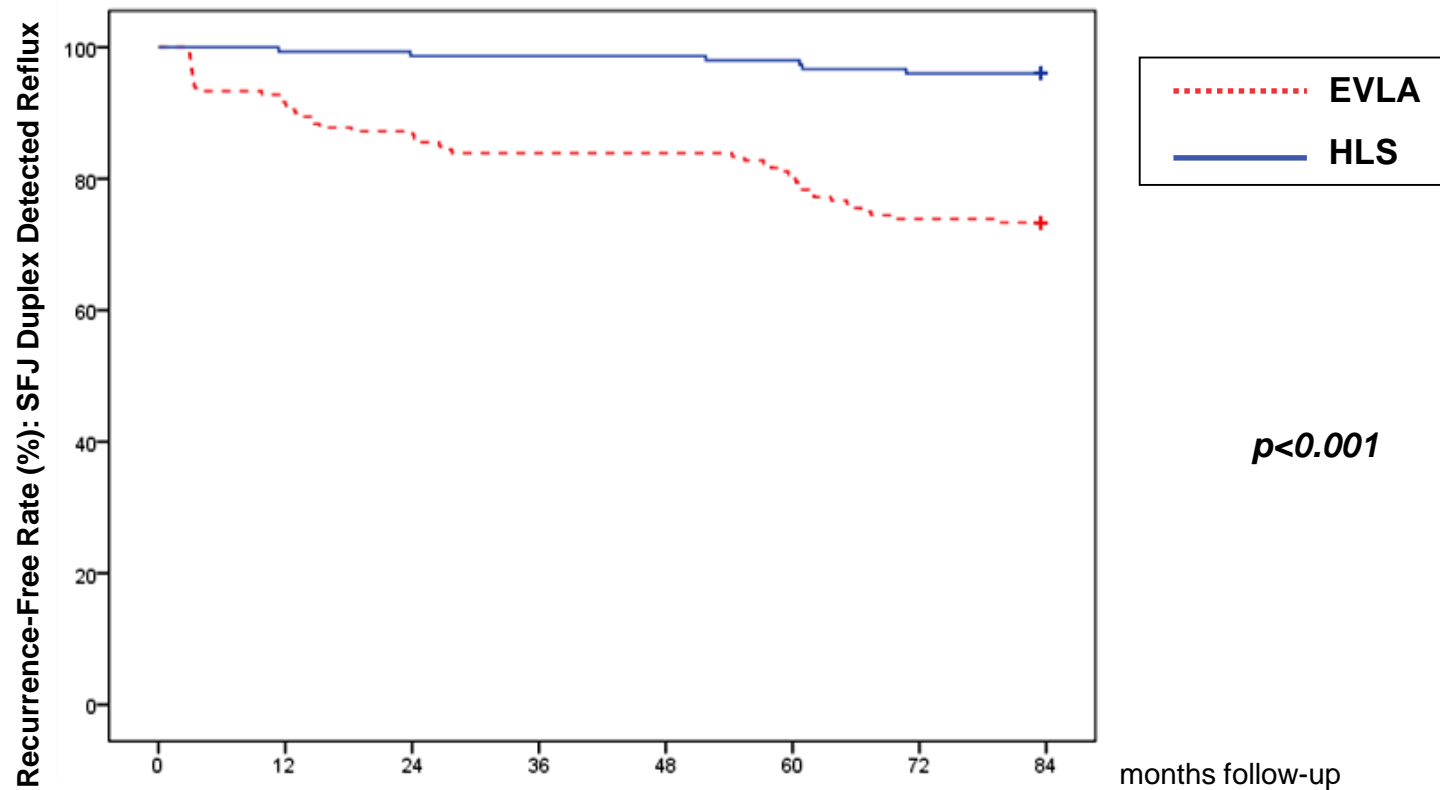
Groin recurrence is important



80 % of all redo-procedures
German treatment costs: 80 Mio €/year

Recurrence saphenofemoral junction

Constantly increasing reflux-rate after EVLA



5-Years-Results in RCTs

RCTs: endovenous vrs. surgical therapy

DUS detected groin recurrence

| | n | EVLA | crossectomy + stripping |
|---------------------|---------|------|-------------------------|
| Disselhoff 2011 | 60/60 | 22 % | 28 % |
| Rasmussen 2013 | 58/60 | 44 % | 25 % |
| Van der Velden 2015 | 78/69 | 22 % | 13 % |
| Rass 2015 | 185/161 | 28 % | 5 % |
| Flessenkämper 2016 | 142/159 | 40 % | 6 % |
| Gauw 2016 | 61/60 | 33 % | 17 % |

5-Years-Results in RCTs

Crossectomy makes the difference

DUS detected groin recurrence

| | n | crossectomy + EVLA | crossectomy + stripping |
|--------------------|---------|---------------------------|--------------------------------|
| Flessenkämper 2016 | 148/159 | 6 % | 6 % |
| Kalteis 2015 | 50/50 | 27 % | 21 % |

Conclusions

- **RCTs important end point: same site recurrence**
- **Endovenous therapy leads to a high rate of groin recurrence**
- **Adjunctive crosssectomy improves the results of endovenous therapy**

Long time results

What does it mean ?

Results of the German Groin Recurrence Trial

First signs of recurrence $7,4 \pm 5,70$ Years

(Symptoms)

Redo-surgery (intervall) $13,9 \pm 7,77$ Years

Recurrence

Overall rate not interesting

