

**Total video-endoscopic
thyroidectomy via Axillo-
Bilateral-Breast-Approach
(ABBA)**

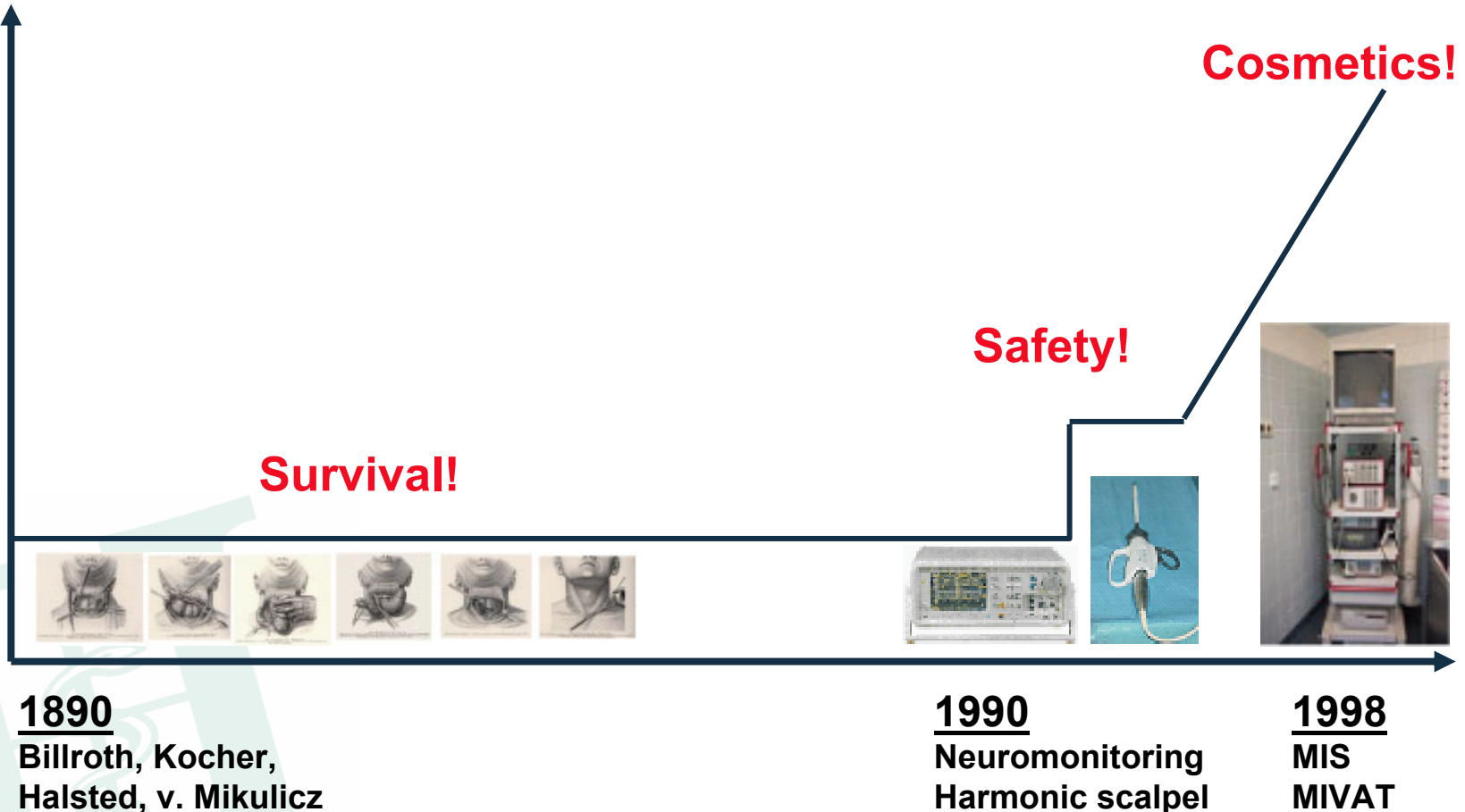
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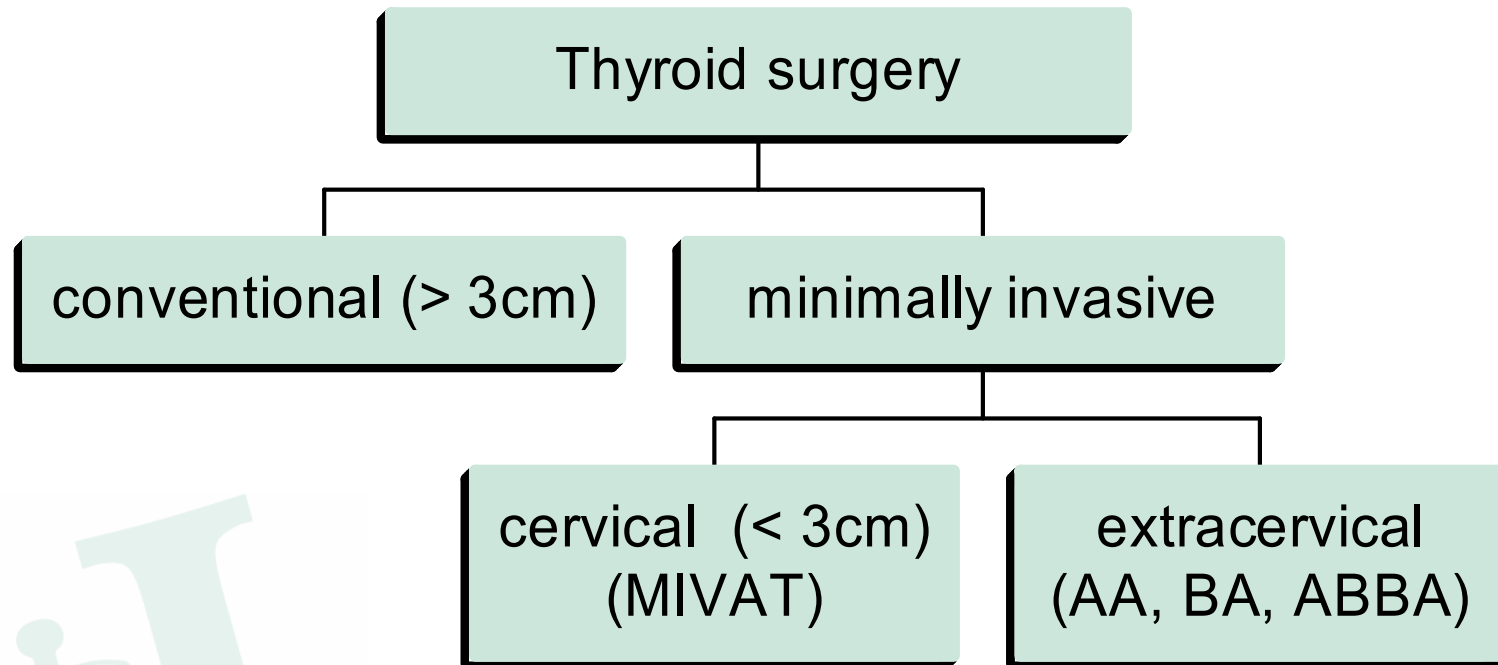


Total video-endoscopic thyroidectomy via Axillo-Bilateral-Breast-Approach (ABBA)

Innovation

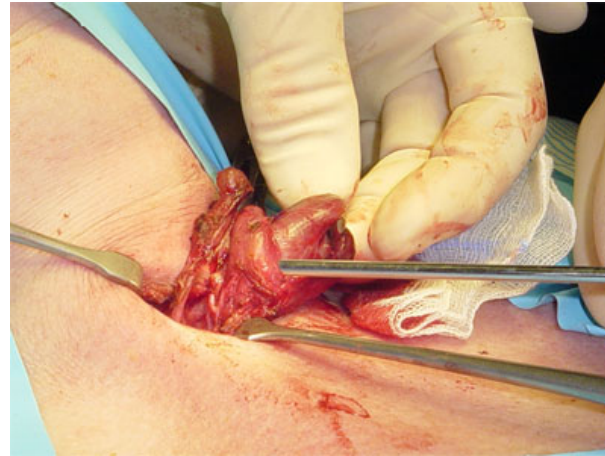
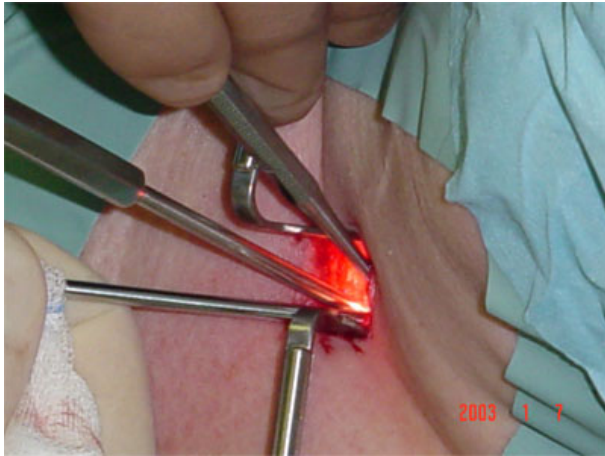


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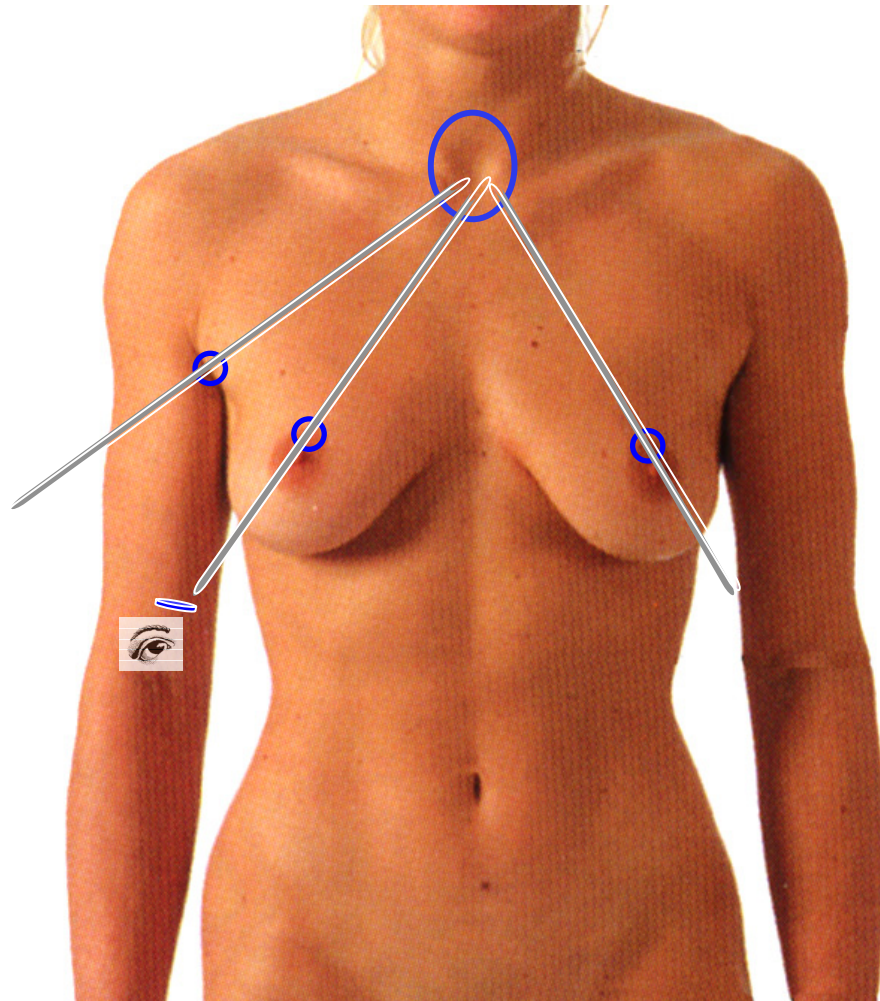


Total video-endoscopic thyroidectomy via Axillo-Bilateral-Breast-Approach (ABBA)

cervical approach (MIVAT)



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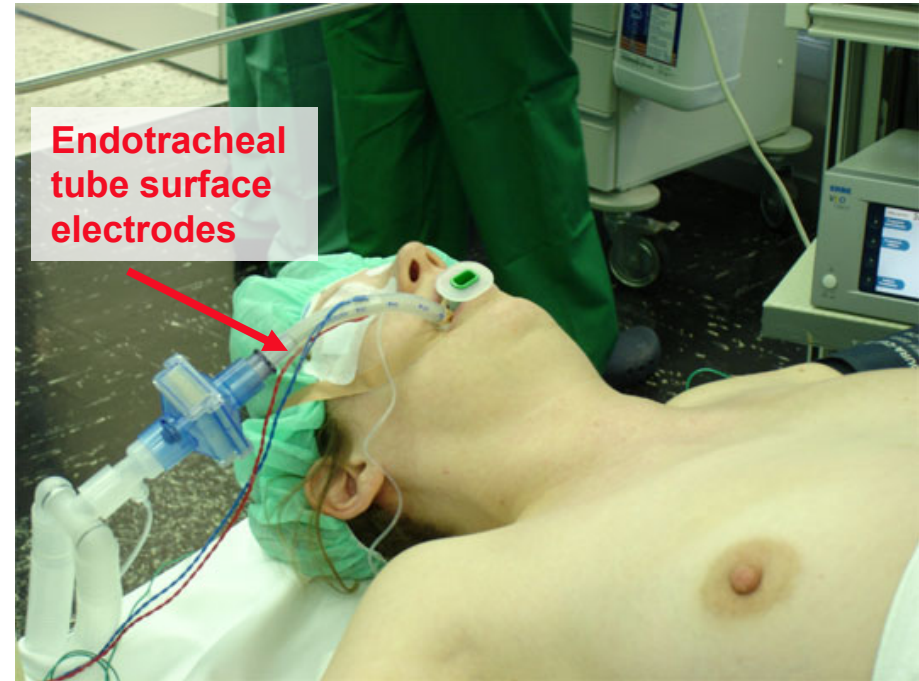
- **Feasibility?**
- **Efficacy?**



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Total video-endoscopic thyroidectomy via Axillo-Bilateral-Breast-Approach (ABBA)

Patients data 02/2005 – 02/2006

Patients	N = 25
Sex	all females
Age	43 (25 - 62) years
BMI	23.6 (19 - 30) kg/m²
Thyroid volume	24.6 (6 – 69.4) ml

Total video-endoscopic thyroidectomy via Axillo-Bilateral-Breast-Approach (ABBA)

Patients data 02/2005 – 02/2006

Type of resection	N = 25
Unilateral subtotal resection	18
Bilateral subtotal resection	6
Node extirpation	1

Total video-endoscopic thyroidectomy via Axillo-Bilateral-Breast-Approach (ABBA)

Patients data 02/2005 – 02/2006

Operation time	N = 25
Unilateral subtotal resection	111.4 (65 - 162) minutes
Bilateral subtotal resection	187 (185 - 245) minutes
Node extirpation	90 minutes

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Patients data 02/2005 – 02/2006

Variables	N = 25
Intraoperative complications	0
Conversion	0
Mortality	0

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Patients data 02/2005 – 02/2006

Postoperative complications	N = 25
Transient paresis of the arm plexus	1
Recurrent laryngeal nerve palsy	1
Hypocalcemia	1

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Patients data 02/2005 – 02/2006

Histopathology	N = 25
benign	23
malignant	2

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Patients data 02/2005 – 02/2006

Hospital stay after surgery (N = 25)

3.4 (2 – 16) days

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d3



d14

Total video-endoscopic thyroidectomy via Axillo-Bilateral-Breast-Approach (ABBA)



d3



d14

Total video-endoscopic thyroidectomy via Axillo-Bilateral-Breast-Approach (ABBA)



d3



d14

Total video-endoscopic thyroidectomy via Axillo-Bilateral-Breast-Approach (ABBA)



d35

Total video-endoscopic thyroidectomy via Axillo-Bilateral-Breast-Approach (ABBA)



Conclusion

- **ABBA technique is feasible and safe in experienced hands.**
- **Better dissection through improved lighting and magnification**
- **Bilateral exploration and resection possible**
- **Satisfactory cosmetic outcome: no scar in the neck!**

Total video-endoscopic thyroidectomy via Axillo-Bilateral-Breast-Approach (ABBA)



1950: 10 cm neck incision



1980: 6 cm neck incision



2000: 3 cm neck incision



2003: 2 cm neck incision



2005: no neck incision!

**Natural
Orifice
Thyroid
Surgery**

Utopia?