

Future Trend of COPD: Development of Mortality Worldwide

Diseases 1990

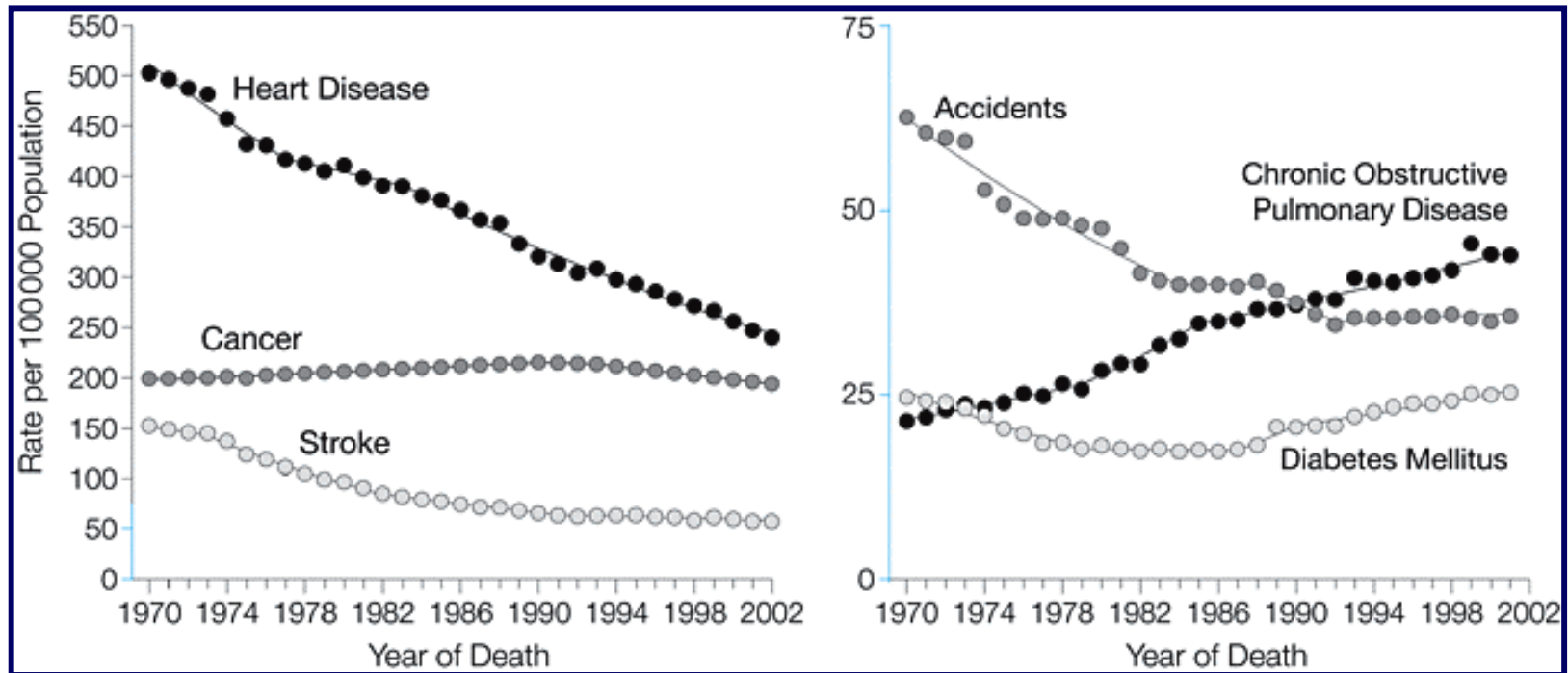
1. Coronary disease
2. Apoplectic stroke
3. Pneumonia
4. Diarrhea
5. Infant mortality
6. COPD
7. Tuberculosis
8. Measles
9. Traffic accident
10. Lung cancer

Diseases 2020

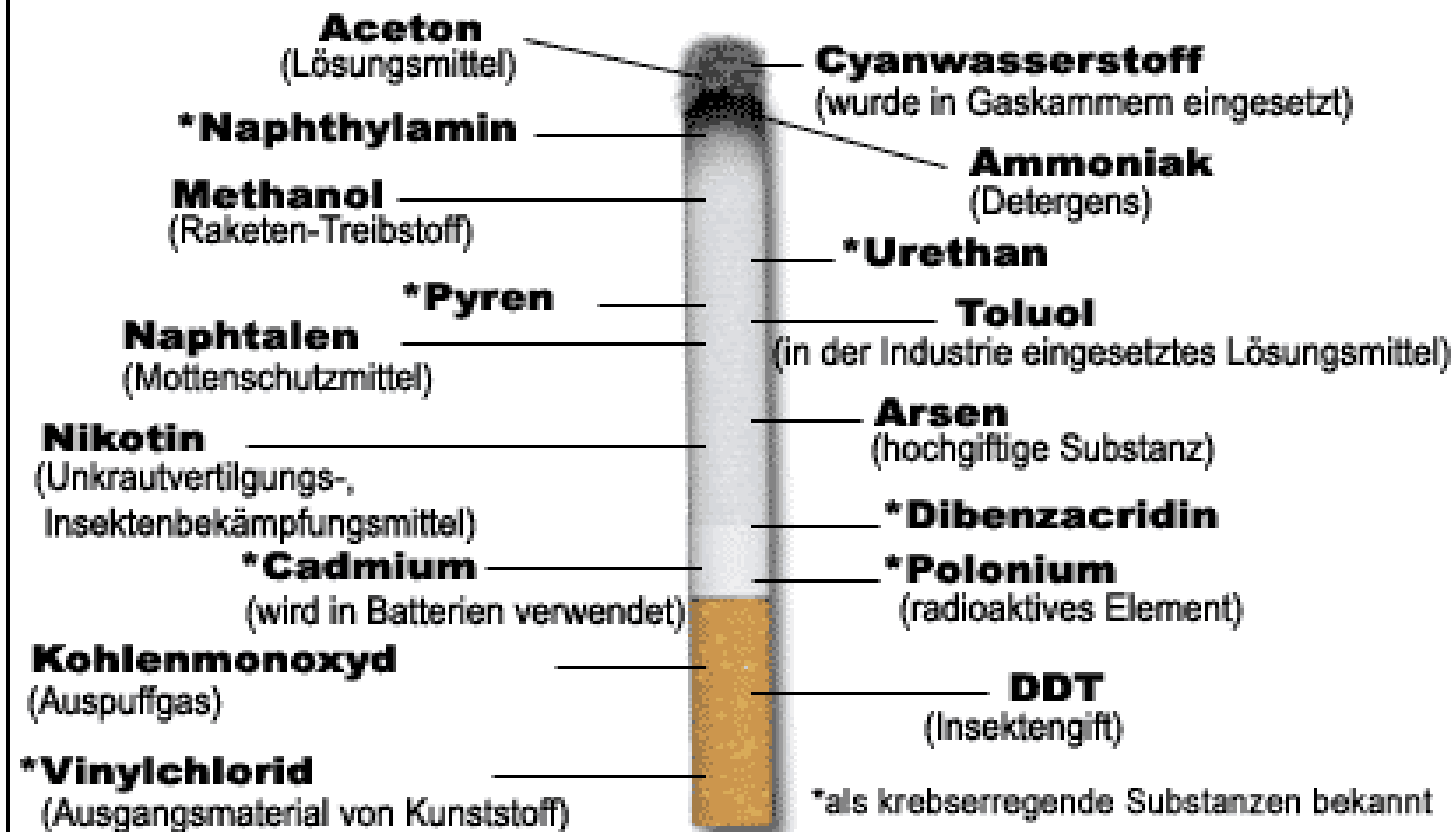
1. Coronary disease
2. Apoplectic stroke
3. COPD
4. Pneumonia
5. Lung cancer
6. Traffic accident
7. Tuberculosis
8. Stomach cancer
9. HIV/AIDS
10. Suicide



Mortalität USA 1970-2002

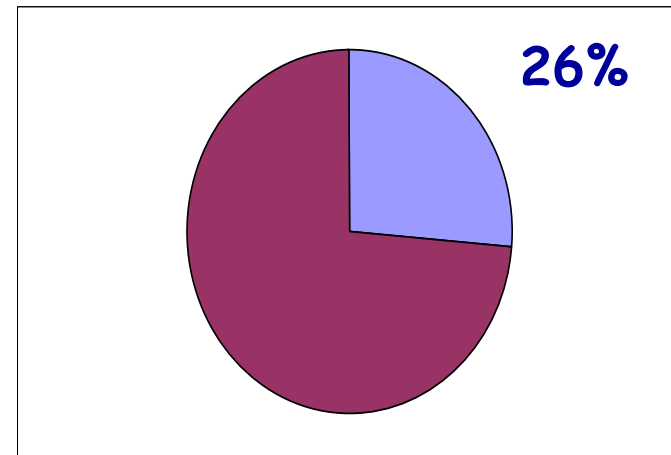
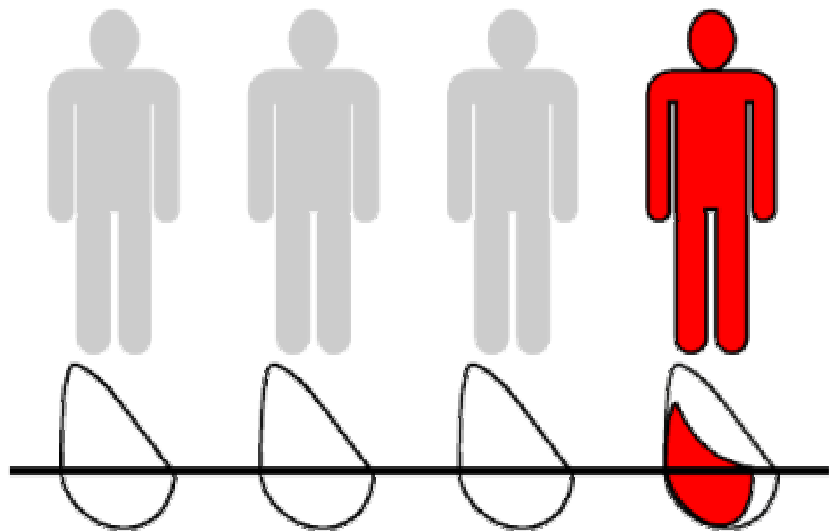


VORSICHT GIFT !



GEBEN SIE DAS RAUCHEN AUF !

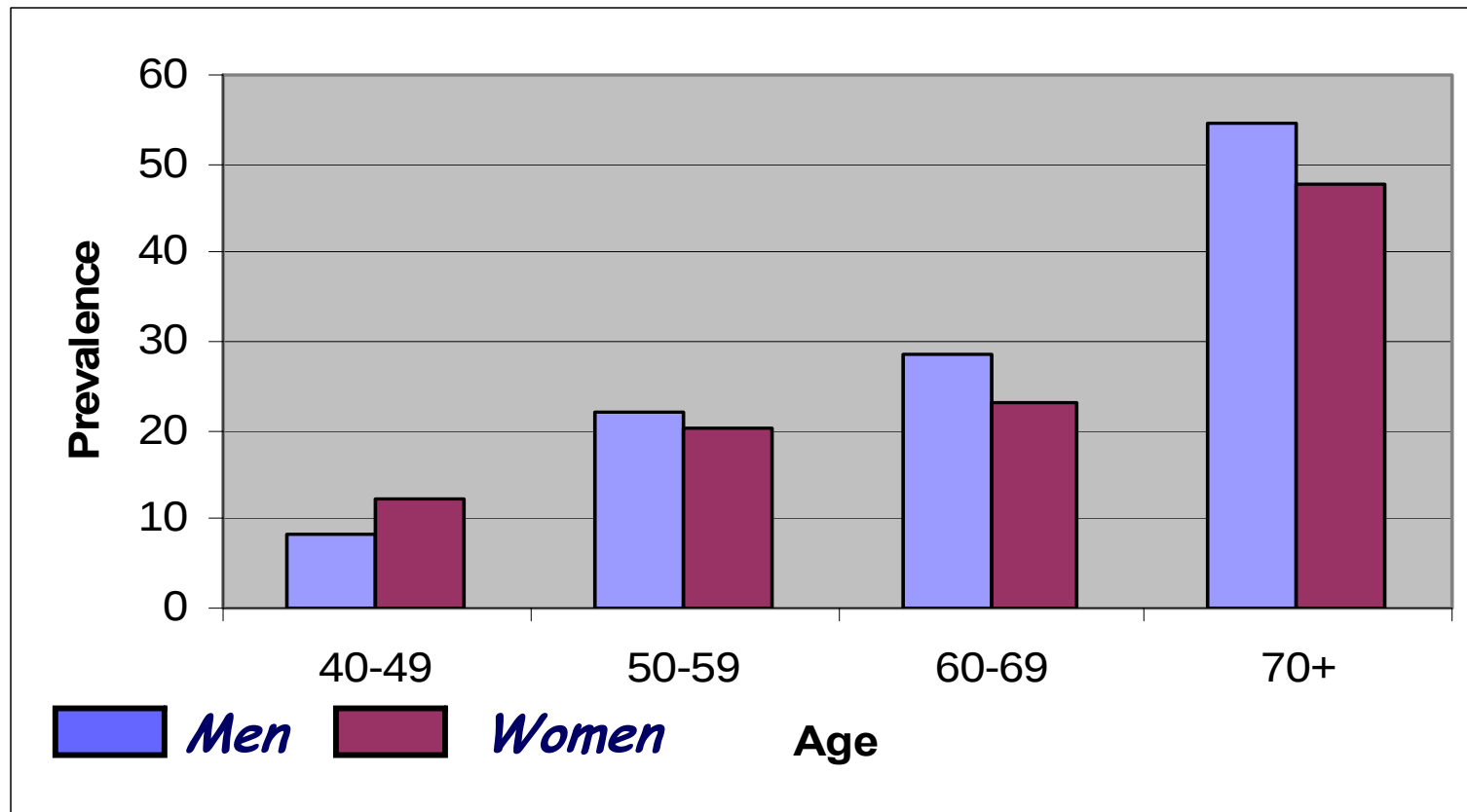
Prävalenz der COPD in Österreich: BOLD-Studie



FEV₁/FVC < 0.70
nach Lyse

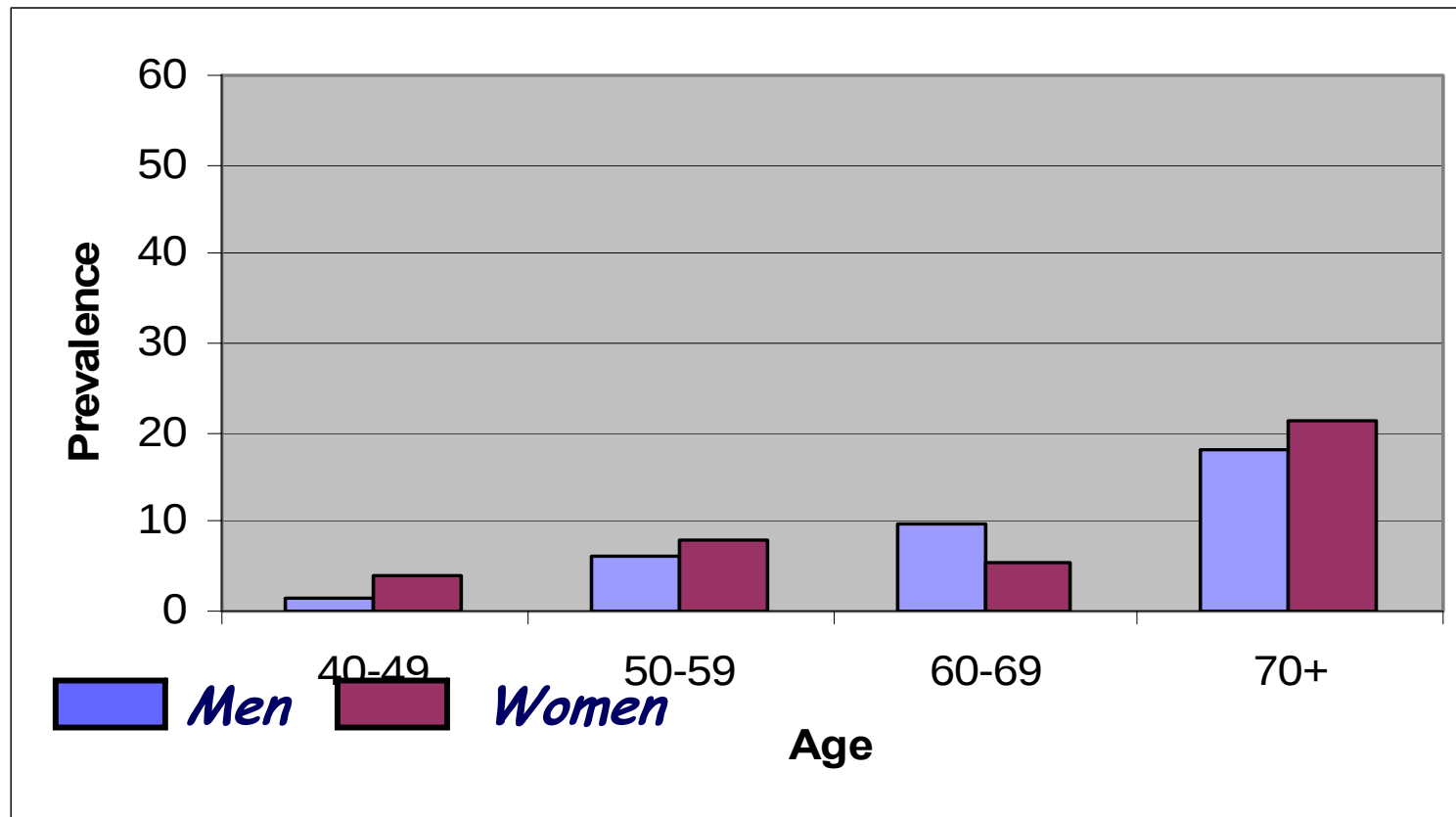
COPD-Prävalenz in Österreich:

Stadium I-IV°



COPD-Prävalenz in Österreich:

Stadium II-IV^o



Prävalenz der COPD in Österreich: BOLD-Studie

		AGE (years)				Total
		40-49 years	50-59 years	60-69 years	70+ years	
GOLD I-IV						26.1%
Men		8.2%	21.9%	28.4%	54.5%	26.6%
Women		12.3%	20.4%	23.2%	47.6%	25.7%
GOLD II-IV						10.7%
Men		1.5%	8.3%	11.9%	22.3%	10.3%
Women		3.5%	9.0%	6.6%	25.0%	11.0%
Diagnose "COPD"						5.6%
Men		1.9%	4.9%	5.3%	11.5%	5.6%
Women		4.3%	5.8%	5.0%	7.2%	5.6%

COPD

Zigarettenrauch, inhalative Schadstoffe, α 1-Antitrypsinmangel,...

INFLAMMATION der ATEMWEGE

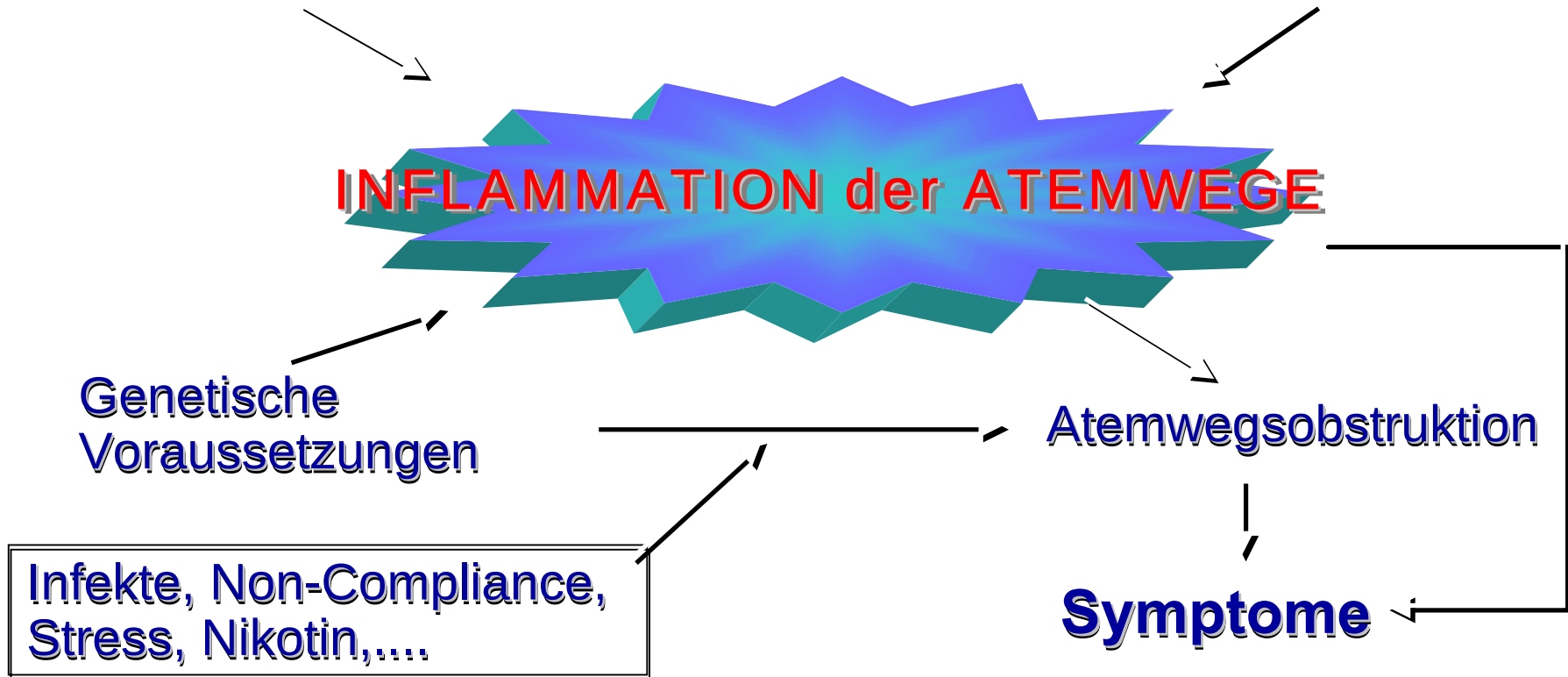


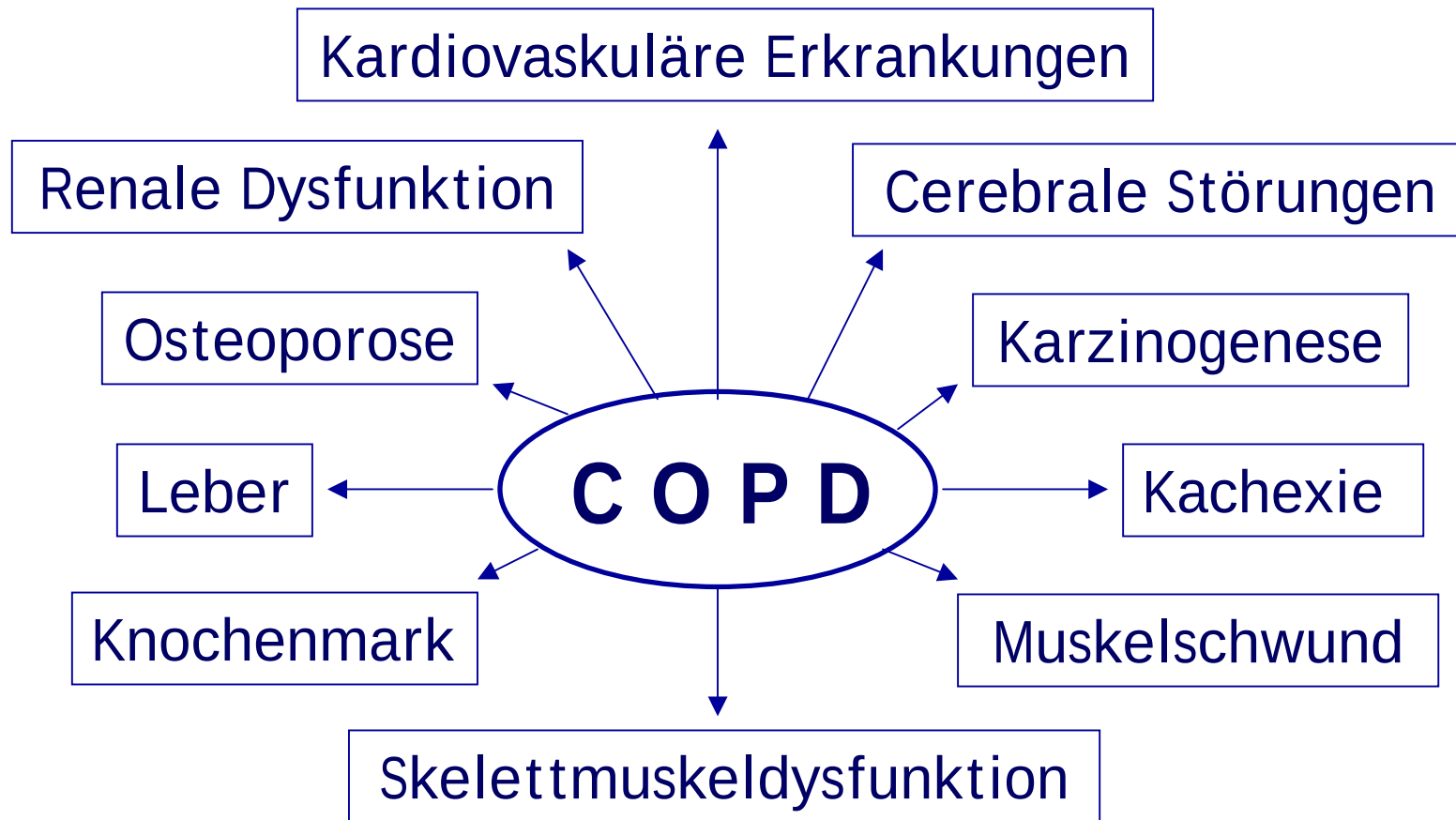
**Genetische
Voraussetzungen**

**Infekte, Non-Compliance,
Stress, Nikotin,....**

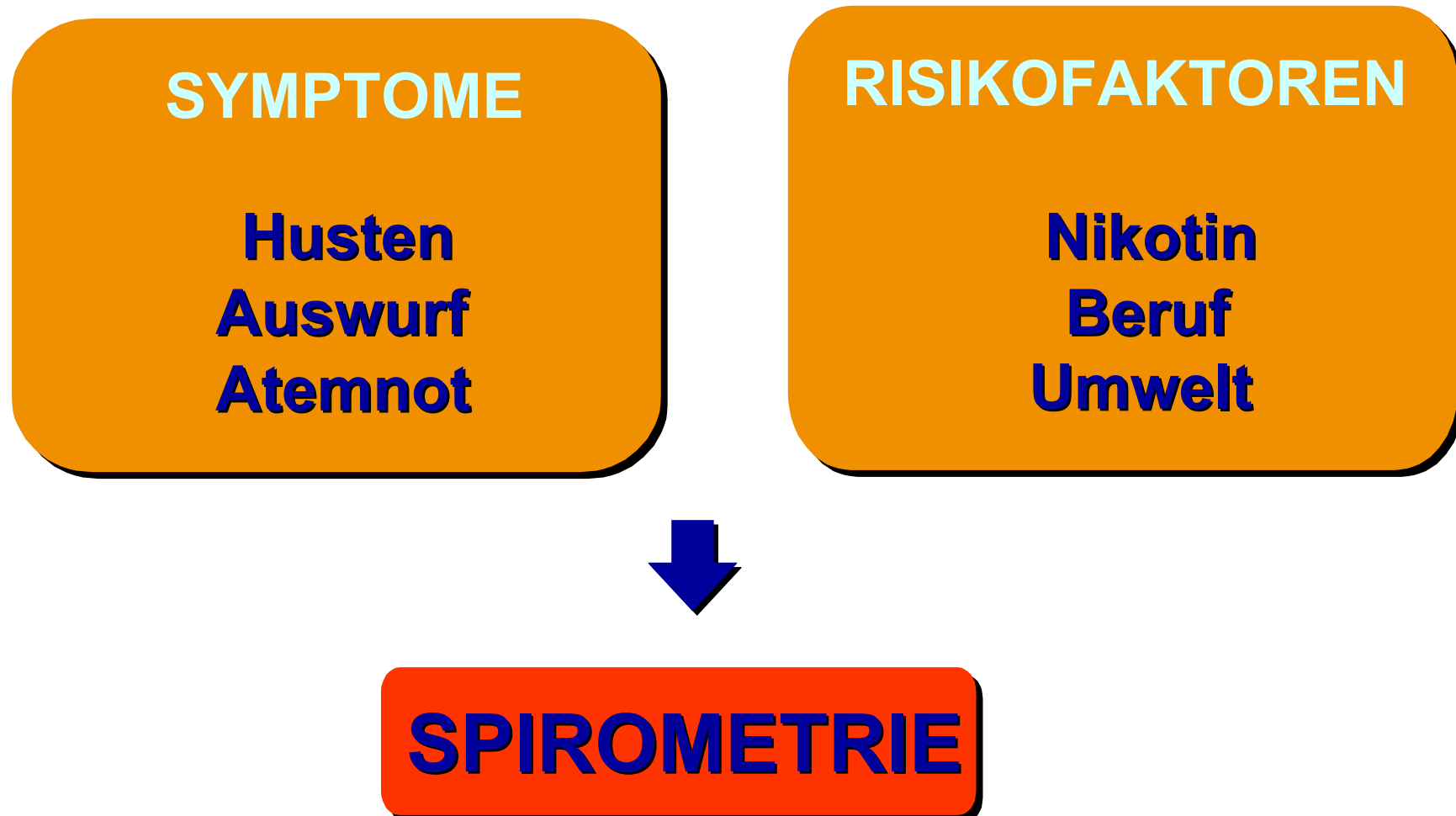
Atemwegsobstruktion

Symptome





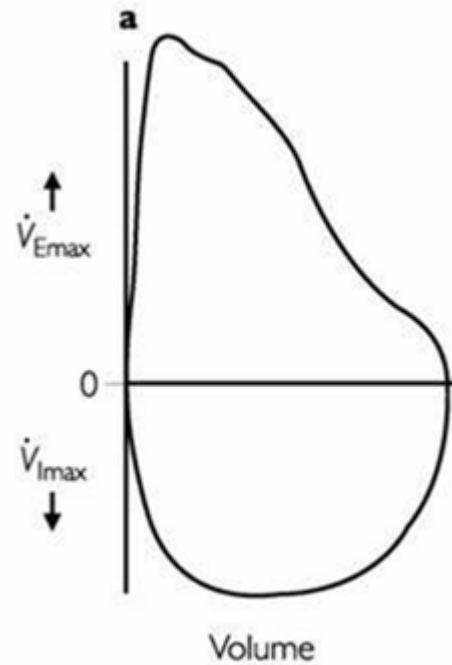
COPD: Diagnostik



COPD: Diagnostik

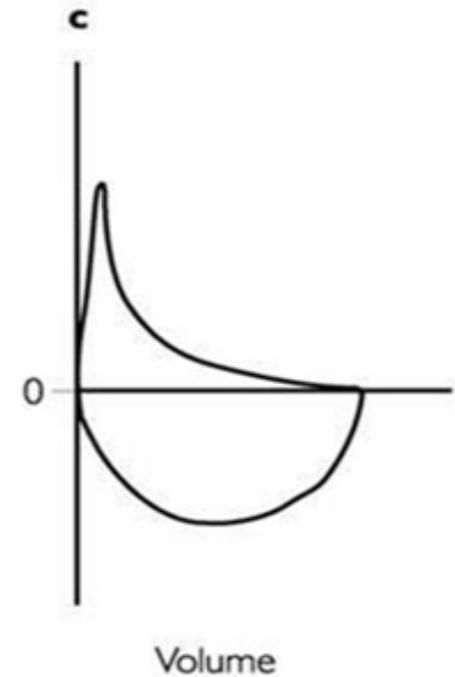


Normal



FeV1 = 3.4 L

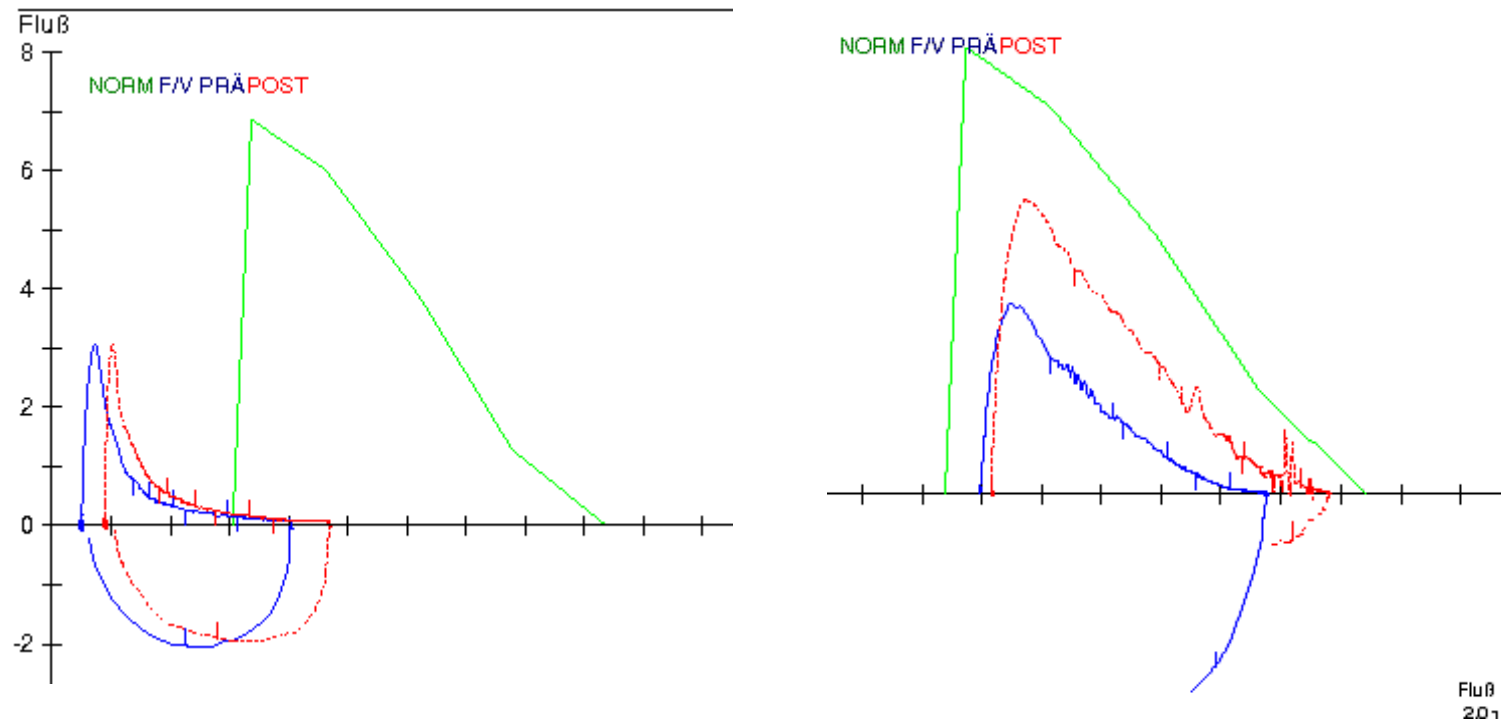
COPD



FeV1 = 1.0 L

Diagnostik mittels Spirometrie

COPD vs. Asthma



COPD: Nicht (bzw. kaum) reversible Atemflusobstruktion
Asthma: partiell bis vollständige Reversibilität

COPD: Schweregrad nach FeV1% Soll

GOLD-Stadien



Lungenfunktion	
COPD IV°	FeV1 < 30%
COPD III°	30% < FeV1 < 50%
COPD II°	50% < FeV1 < 80%
COPD I°	FeV1 > 80%

FEV1/FVC < 70%

COPD-Management

GOLD IV

FEV₁/FVC <0,7 +
Post-BD-FEV₁ <30%

**+ LVRS, LTX
+ Sauerstofftherapie (LTOT)**

GOLD III

FEV₁/FVC <0,7 +
Post-BD-FEV₁ <50%

**+ inhalative Steroide
(häufige Exazerbationen)**

GOLD II

FEV₁/FVC <0,7 +
Post-BD-FEV₁ <80%

**+ langwirksame Bronchodilation
+ Rehabilitation**

GOLD I

FEV₁/FVC <0,7 +
Post-BD-FEV₁ >80%

**schnell-wirksame Bronchodilation
(symptomorientiert)**

Prävention (Rauchen, Influenzaimpfung)