



Azienda Ospedaliera  
**Ospedale Niguarda Ca'Granda**

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**Dipartimento di Scienze Neurologiche**  
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Milano, li 03.09.2015

**Nome:** Kruger Giorgio  
**Data di nascita:** 05.03.1945

**Polisonnografia**  
**(monitoraggio cardio respiratorio)**

Esame eseguito in respiro spontaneo

**Indice Apnea-Ipopnea/ora:** 7.5 (supino 14.7, non supino 3)  
**Indice di Desaturazione/ora:** 5.7  
**SpO2 media:** 92%  
**Min SpO2:** 86%  
**Saturazione < 90%:** 5.7%

L'esame documenta la presenza di un disturbo respiratorio in sonno di natura ostruttiva di grado lieve e di carattere posizionale.

Dr Paola Proserpio

Ft Andrea Lanza

# Polygraphy Report

Unknown Institution

Total Recording Time: 6 hours 35 minutes ( 395 minutes )  
 Lights Off Clock Time: 20/08/2015 23.51  
 Lights On Clock Time: 21/08/2015 6.26

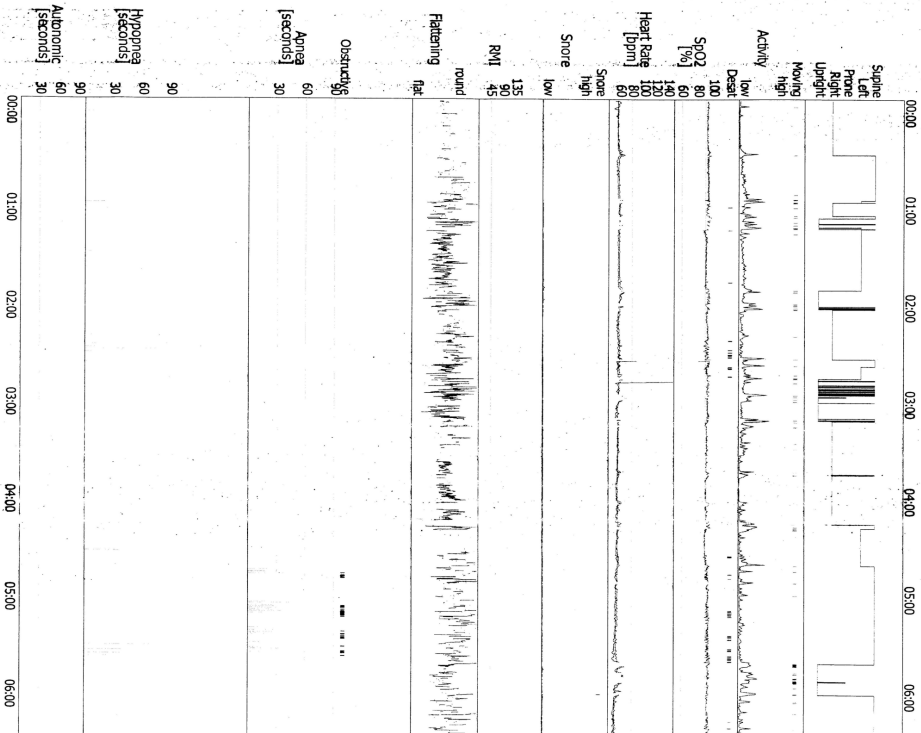
## Patient Information

Name: Kruger, Giorgio Date of Birth: 05/03/1945  
 ID: KRGCARDIO Age: 70 year(s)  
 Address: Gender: Male  
 City: Height: 1.80 m  
 Zip Code: Weight: 97.0 kg  
 E-Mail: BMI: 29.9  
 Phone:

## Sleep Summary

Apnea/Hypopnea	
Index Time:	326.0 minutes
Apnea + Hypopnea (A+H):	41
Supine A+H:	31
Non-Supine A+H:	10
RDI:	7.5
Position	
Supine Time:	126.4 minutes
Non-Supine Time:	199.5 minutes
Upright Time:	44.2 minutes
Movement Time:	25.1 minutes
Oxygen Saturation	
Average Oxygen Saturation:	92.0 %
Oxygen Desaturation Events (OD):	31
Snoring	
Snore Time:	0.0 minutes
Number of Snoring Episodes:	0
Plethysmogram	
Autonomic Arousal	0

## Summary Graph



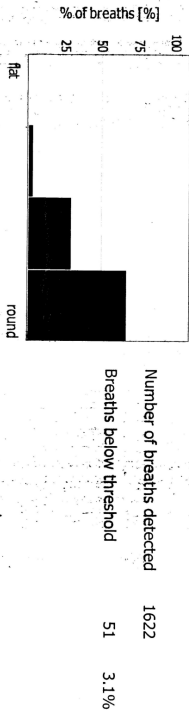
Apnea/Hypnoea Statistics

Respiration	Number	%	A or H/h	Supine	Non-Supine	Mean [seconds]	Longest [seconds]
Apnea	24	58.5	4.4	24	0	23.9	46.8
Obstructive	24	58.5	4.4	24	0	23.9	46.8
Central	0	0.0	0.0	0	0	0.0	0.0
Mixed	0	0.0	0.0	0	0	0.0	0.0
Hypnoea (All)	17	41.5	3.1	7	10	33.9	74.7
Obstructive	-	-	-	-	-	-	-
Central	-	-	-	-	-	-	-
Mixed	-	-	-	-	-	-	-
RDI			14.1	2.3			
Total	41		7.5	31	10	28.0	74.7

Apnea-Desaturation Relation

Desaturation	Apnea	Obstructive	Central	Mixed	Hypnoea	Total
>90%	2	2	0	0	7	9
81-90%	10	10	0	0	10	20
71-80%	0	0	0	0	0	0
61-70%	0	0	0	0	0	0
51-60%	0	0	0	0	0	0
<50%	0	0	0	0	0	0
Total	12	12	0	0	17	29

Flattening Statistics



Position Statistics

Position	Index time [minutes]	Relative [%]	Transitions	A+H/h	Autonomic Arousal/h
Supine	126.4	34.2	14.7	0.0	0.0
Left	66.7	18.0	3.6	0.0	0.0
Prone	0.0	0.0	-	-	-
Right	132.8	35.9	2.7	0.0	0.0
Upright	44.2	11.9	0.0	0.0	0.0
Unkown	0.0	0.0	-	-	-
Total	370.2	100.0	68 (11.0/h)	-	0.0

SpO2 Statistics

Mean Oxygen Saturation:	92.0 %	Saturation < 90%:	18 minutes	5.7 %
Lowest Oxygen Saturation:	86.0 %	Saturation < 80%:	-	- %
Average Desaturation:	4.6 %	Saturation < 70%:	-	- %

Range\Position	Supine [minutes]	Cumul. Supine [minutes]	Non-Supine [minutes]	Cumul. Non-Supine [minutes]	Upright [minutes]	Cumul. Upright [minutes]
98-100 %	0.1	121.8	0.0	195.6	0.0	36.4
95-97 %	12.8	121.7	3.9	195.6	3.2	36.4
90-94 %	107.8	108.9	174.8	191.7	33.2	33.2
80-89 %	1.0	1.0	16.9	16.9	0.0	0.0
70-79 %	0.0	0.0	0.0	0.0	0.0	0.0
60-69 %	0.0	0.0	0.0	0.0	0.0	0.0
50-59 %	0.0	0.0	0.0	0.0	0.0	0.0
< 50 %	0.0	0.0	0.0	0.0	0.0	0.0