Supplementary Material to:

Hyperoxia in critically ill patients with sepsis and septic shock: a systematic review

Francesca Romana Catalanotto [1], Mariachiara Ippolito [1,2], Alice Mirasola[1,3], Giulia Catalisano[1], Marta Milazzo [1], Antonino Giarratano[1,2] and Andrea Cortegiani[1,2]*

[1] Department of Surgical, Oncological and Oral Science (Di.Chir.On.S) University of Palermo, 90127 Palermo, Italy;

[2] Department of Anaesthesia, Intensive Care and Emergency, Policlinico Paolo Giaccone, 90127 Palermo, Italy

[3] Azienda Ospedaliera Ospedali Riuniti Villa Sofia Cervello

* Corresponding Author: Prof. Andrea Cortegiani, MD. Department of Surgical, Oncological and Oral Science (Di.Chir.On.S.), University of Palermo, Italy. Department of Anaesthesia, Intensive Care and Emergency, Policlinico Paolo Giaccone, Palermo, Italy, Via del Vespro 129, 90127 Palermo, Italy. Email: andrea.cortegiani@unipa.it; Tel.:+390916552730

38 **PUBMED**
39 **Search strategy**
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41 ((sepsis) OR (septic shock) OR (toxic shock) OR (endotoxic shock)) AND ((hyperoxia) OR (hyperoxemia) OR
42 (liberal oxygen therapy) OR (conservative oxygen therapy) OR (high blood oxygen levels) OR (oxygen
43 toxicity)) AND ((intensive care) OR (critical care) OR (critically ill) OR (ICU))
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45 ("sepsis"[MeSH Terms] OR "sepsis"[All Fields] OR ("shock, septic"[MeSH Terms] OR ("shock"[All Fields] AND
46 "septic"[All Fields]) OR "septic shock"[All Fields] OR ("septic"[All Fields] AND "shock"[All Fields])) OR ("shock,
47 septic"[MeSH Terms] OR ("shock"[All Fields] AND "septic"[All Fields]) OR "septic shock"[All Fields] OR
48 ("toxic"[All Fields] AND "shock"[All Fields]) OR "toxic shock"[All Fields]) OR ("shock, septic"[MeSH Terms] OR
49 ("shock"[All Fields] AND "septic"[All Fields]) OR "septic shock"[All Fields] OR ("endotoxic"[All Fields] AND
50 "shock"[All Fields]) OR "endotoxic shock"[All Fields])) AND ("hyperoxia"[MeSH Terms] OR "hyperoxia"[All
51 Fields] OR "hyperoxemia"[All Fields] OR (("liberal"[All Fields] OR "liberalization"[All Fields] OR "liberalize"[All
52 Fields] OR "liberalized"[All Fields] OR "liberalizing"[All Fields] OR "liberally"[All Fields] OR "liberals"[All Fields]
53 OR "politics"[MeSH Terms] OR "politics"[All Fields] OR "liberalism"[All Fields]) AND ("oxygen inhalation
54 therapy"[MeSH Terms] OR ("oxygen"[All Fields] AND "inhalation"[All Fields] AND "therapy"[All Fields]) OR
55 "oxygen inhalation therapy"[All Fields] OR ("oxygen"[All Fields] AND "therapy"[All Fields]) OR "oxygen
56 therapy"[All Fields])) OR (("conservancies"[All Fields] OR "conservancy"[All Fields] OR "conservancy s"[All
57 Fields] OR "conservation"[All Fields] OR "conservational"[All Fields] OR "conservations"[All Fields] OR
58 "conservative"[All Fields] OR "conservatively"[All Fields] OR "conservatives"[All Fields] OR "conserve"[All
59 Fields] OR "conserved"[All Fields] OR "conserves"[All Fields] OR "conserving"[All Fields]) AND ("oxygen
60 inhalation therapy"[MeSH Terms] OR ("oxygen"[All Fields] AND "inhalation"[All Fields] AND "therapy"[All
61 Fields]) OR "oxygen inhalation therapy"[All Fields] OR ("oxygen"[All Fields] AND "therapy"[All Fields]) OR
62 "oxygen therapy"[All Fields])) OR ("high"[All Fields] AND ("oxygen saturation"[MeSH Terms] OR ("oxygen"[All
63 Fields] AND "saturation"[All Fields]) OR "oxygen saturation"[All Fields] OR ("blood"[All Fields] AND
64 "oxygen"[All Fields] AND "levels"[All Fields]) OR "blood oxygen levels"[All Fields])) OR (("cell
65 respiration"[MeSH Terms] OR ("cell"[All Fields] AND "respiration"[All Fields]) OR "cell respiration"[All Fields]
66 OR "oxygenation"[All Fields] OR "oxygen"[MeSH Terms] OR "oxygen"[All Fields] OR "oxygen s"[All Fields] OR
67 "oxygenate"[All Fields] OR "oxygenated"[All Fields] OR "oxygenates"[All Fields] OR "oxygenating"[All Fields]
68 OR "oxygenations"[All Fields] OR "oxygenative"[All Fields] OR "oxygenator s"[All Fields] OR
69 "oxygenators"[MeSH Terms] OR "oxygenators"[All Fields] OR "oxygenator"[All Fields] OR "oxygene"[All
70 Fields] OR "oxygenic"[All Fields] OR "oxygenous"[All Fields] OR "oxygens"[All Fields]) AND ("toxic"[All Fields]
71 OR "toxical"[All Fields] OR "toxically"[All Fields] OR "toxicant"[All Fields] OR "toxicant s"[All Fields] OR
72 "toxicants"[All Fields] OR "toxicated"[All Fields] OR "toxication"[All Fields] OR "toxicities"[All Fields] OR
73 "toxicity"[MeSH Subheading] OR "toxicity"[All Fields] OR "toxicity s"[All Fields] OR "toxics"[All Fields]))) AND
74 ("critical care"[MeSH Terms] OR ("critical"[All Fields] AND "care"[All Fields]) OR "critical care"[All Fields] OR
75 ("intensive"[All Fields] AND "care"[All Fields]) OR "intensive care"[All Fields] OR ("critical care"[MeSH Terms]
76 OR ("critical"[All Fields] AND "care"[All Fields]) OR "critical care"[All Fields]) OR ("critical illness"[MeSH Terms]
77 OR ("critical"[All Fields] AND "illness"[All Fields]) OR "critical illness"[All Fields] OR ("critically"[All Fields] AND
78 "ill"[All Fields]) OR "critically ill"[All Fields]) OR ("intensive care units"[MeSH Terms] OR ("intensive"[All Fields]
79 AND "care"[All Fields] AND "units"[All Fields]) OR "intensive care units"[All Fields] OR "icu"[All Fields]))
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101 **Translations**
102 **sepsis:** "sepsis"[MeSH Terms] OR "sepsis"[All Fields]
103 **septic shock:** "shock, septic"[MeSH Terms] OR ("shock"[All Fields] AND "septic"[All Fields]) OR "septic
104 shock"[All Fields] OR ("septic"[All Fields] AND "shock"[All Fields])
105 **toxic shock:** "shock, septic"[MeSH Terms] OR ("shock"[All Fields] AND "septic"[All Fields]) OR "septic
106 shock"[All Fields] OR ("toxic"[All Fields] AND "shock"[All Fields]) OR "toxic shock"[All Fields]
107 **endotoxic shock:** "shock, septic"[MeSH Terms] OR ("shock"[All Fields] AND "septic"[All Fields]) OR "septic
108 shock"[All Fields] OR ("endotoxic"[All Fields] AND "shock"[All Fields]) OR "endotoxic shock"[All Fields]
109 **hyperoxia:** "hyperoxia"[MeSH Terms] OR "hyperoxia"[All Fields]
110 **liberal:** "liberal"[All Fields] OR "liberalism's"[All Fields] OR "liberalization"[All Fields] OR "liberalize"[All Fields]
111 OR "liberalized"[All Fields] OR "liberalizing"[All Fields] OR "liberally"[All Fields] OR "liberals"[All Fields] OR
112 "politics"[MeSH Terms] OR "politics"[All Fields] OR "liberalism"[All Fields]
113 **oxygen therapy:** "oxygen inhalation therapy"[MeSH Terms] OR ("oxygen"[All Fields] AND "inhalation"[All
114 Fields] AND "therapy"[All Fields]) OR "oxygen inhalation therapy"[All Fields] OR ("oxygen"[All Fields] AND
115 "therapy"[All Fields]) OR "oxygen therapy"[All Fields]
116 **conservative:** "conservancies"[All Fields] OR "conservancy"[All Fields] OR "conservancy's"[All Fields] OR
117 "conservation"[All Fields] OR "conservational"[All Fields] OR "conservations"[All Fields] OR "conservative"[All
118 Fields] OR "conservatively"[All Fields] OR "conservatives"[All Fields] OR "conserve"[All Fields] OR
119 "conserved"[All Fields] OR "conserves"[All Fields] OR "conserving"[All Fields]
120 **oxygen therapy:** "oxygen inhalation therapy"[MeSH Terms] OR ("oxygen"[All Fields] AND "inhalation"[All
121 Fields] AND "therapy"[All Fields]) OR "oxygen inhalation therapy"[All Fields] OR ("oxygen"[All Fields] AND
122 "therapy"[All Fields]) OR "oxygen therapy"[All Fields]
123 **blood oxygen levels:** "oxygen saturation"[MeSH Terms] OR ("oxygen"[All Fields] AND "saturation"[All Fields])
124 OR "oxygen saturation"[All Fields] OR ("blood"[All Fields] AND "oxygen"[All Fields] AND "levels"[All Fields])
125 OR "blood oxygen levels"[All Fields]
126 **oxygen:** "cell respiration"[MeSH Terms] OR ("cell"[All Fields] AND "respiration"[All Fields]) OR "cell
127 respiration"[All Fields] OR "oxygenation"[All Fields] OR "oxygen"[MeSH Terms] OR "oxygen"[All Fields] OR
128 "oxygen's"[All Fields] OR "oxygenate"[All Fields] OR "oxygenated"[All Fields] OR "oxygenates"[All Fields] OR
129 "oxygenating"[All Fields] OR "oxygenations"[All Fields] OR "oxygenative"[All Fields] OR "oxygenator's"[All
130 Fields] OR "oxygenators"[MeSH Terms] OR "oxygenators"[All Fields] OR "oxygenator"[All Fields] OR
131 "oxygene"[All Fields] OR "oxygenic"[All Fields] OR "oxygenous"[All Fields] OR "oxygens"[All Fields]
132 **toxicity:** "toxic"[All Fields] OR "toxical"[All Fields] OR "toxically"[All Fields] OR "toxicant"[All Fields] OR
133 "toxicant's"[All Fields] OR "toxicants"[All Fields] OR "toxicated"[All Fields] OR "toxication"[All Fields] OR
134 "toxicities"[All Fields] OR "toxicity"[Subheading] OR "toxicity"[All Fields] OR "toxicity's"[All Fields] OR
135 "toxics"[All Fields]
136 **intensive care:** "critical care"[MeSH Terms] OR ("critical"[All Fields] AND "care"[All Fields]) OR "critical
137 care"[All Fields] OR ("intensive"[All Fields] AND "care"[All Fields]) OR "intensive care"[All Fields]
138 **critical care:** "critical care"[MeSH Terms] OR ("critical"[All Fields] AND "care"[All Fields]) OR "critical care"[All
139 Fields]
140 **critically ill:** "critical illness"[MeSH Terms] OR ("critical"[All Fields] AND "illness"[All Fields]) OR "critical
141 illness"[All Fields] OR ("critically"[All Fields] AND "ill"[All Fields]) OR "critically ill"[All Fields]
142 **ICU:** "intensive care units"[MeSH Terms] OR ("intensive"[All Fields] AND "care"[All Fields] AND "units"[All
143 Fields]) OR "intensive care units"[All Fields] OR "icu"[All Fields]
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161 **COCHRANE**
162 **Search strategy**

163 (sepsis) OR (septic shock) OR (toxic shock) OR (endotoxic shock) in All Text AND (hyperoxia) OR
164 (hyperoxemia) OR (liberal oxygen therapy) OR (conservative oxygen therapy) OR (high blood oxygen levels)
165 OR (oxygen toxicity) in All Text AND (intensive care) OR (critical care) OR (critically ill) OR (ICU) in All Text -
166 in Cochrane Protocols, Trials, Special Collections (Word variations have been searched)

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