

**Table S1.** Methodological list of studies excluded from this review and reasons for exclusion ( $n=19$ ).

<b>Author year</b>	<b>Reason of exclusion</b>
Wang et al,2015 <sup>5</sup>	A narrative review
Shahidi S et al, 2013 <sup>6</sup>	AI-based but not related to cephalometry
Park et al 2019 <sup>8</sup>	AI tracings on cephalogram not compared with manual tracings
Monill et al 2021 <sup>9</sup>	A scoping review
Mamta et al 2021 <sup>10</sup>	A narrative review
Schwendicke et al 2021 <sup>32</sup>	A systematic review
Sanjeev et al 2021 <sup>33</sup>	A systematic review
Sanjeev et al 2021 <sup>34</sup>	A systematic review
Kuofeng et al 2019 <sup>35</sup>	A systematic review
Bichu et al 2021 <sup>36</sup>	A scoping review
Silva et al 2021 <sup>37</sup>	A short communication
H. Alqahtani 2019 <sup>38</sup>	Not compared with the human experts
Leonardi et al, 2008 <sup>39</sup>	A narrative review
Mihee et al 2021 <sup>40</sup>	AI-based but not related to cephalometry
Mani et al 2020 <sup>41</sup>	A systematic review
Akdeniz et al 2021 <sup>42</sup>	A narrative review
Shin et al 2021 <sup>43</sup>	AI-based but not related to cephalometry
Faure et al 2016 <sup>44</sup>	Based on 3D cephalometry
Yu et al 2020 <sup>45</sup>	AI-based but not related to cephalometry