## SUPPLEMENTARY INFORMATION

A total of 18 hospitals across China participated in collecting the data of the patients and designing the study. All of the hospitals are listed below. ¹Shanghai Changhai Hospital, Second Military Medical University, Shanghai, China. ²Peking University First Hospital, Institute of Urology, Peking University, National Urological Cancer center, Beijing, China. ³The First Affiliated Hospital of Nanjing Medical University, Nanjing, China. ⁴Renji Hospital, Shanghai Jiao Tong University, School of Medicine, Shanghai, China. ⁵Huadong Hospital, Fudan University, Shanghai, China. ⁶Tongji Hospital, Tongji Medical College, Huazhong University of Science and Technology, Wuhan, China. ⁶West China Hospital, Sichuan University, Chengdu, China. ⁶Zhujiang Hospital, Southern Medical University, Guangzhou, China. ⁰Peking University Third Hospital, Beijing, China. ¹¹The First Affiliated Hospital of Soochow University, Suzhou, China. ¹²Xijing Hospital, The Fourth Military Medical University, Xi'an, China. ¹³Tenth People's Hospital, Tongji University, Shanghai, China. ¹¹The First Affiliated Hospital Shanghai Langhai Langhai Langhai Langhai Langhai Lang

<sup>14</sup>The Third Hospital of Sun Yat-Sen University, Guangzhou, China. <sup>15</sup>Shanghai Changzheng Hospital, Second Military Medical University, Shanghai, China. <sup>16</sup>Wuhan General Hospital of Guangzhou Military Command, Wuhan, China. <sup>17</sup>First Affiliated Hospital, School of Medicine, Zhejiang University, Hangzhou, China. <sup>18</sup>The First Affiliated Hospital of Medical School, Xi'an Jiaotong University, Xi'an, China.

Some members of the Chinese Prostate Cancer Consortium provided assistance in data collection. The Chinese Prostate Cancer Consortium is: Yinghao Sun<sup>1</sup>, Yiran Huang<sup>2</sup>, Liping Xie<sup>3</sup>, Liqun Zhou<sup>4</sup>, Dalin He<sup>5</sup>, Qiang Ding<sup>6</sup>, Qiang Wei<sup>7</sup>, Pengfei Shao<sup>8</sup>, Ye Tian<sup>9</sup>, Zhongquan Sun<sup>10</sup>, Qiang Fu<sup>11</sup>, Lulin Ma<sup>12</sup>, Junhua Zheng<sup>13</sup>, Zhangqun Ye<sup>14</sup>, Dingwei Ye<sup>15</sup>, Danfeng Xu<sup>16</sup>, Jianquan Hou<sup>17</sup>, Kexin Xu<sup>18</sup>, Jianlin Yuan<sup>19</sup>, Xin Gao<sup>20</sup>, Chunxiao Liu<sup>21</sup>, Tiejun Pan<sup>22</sup>, Xu Gao<sup>1</sup>, Shancheng Ren<sup>1</sup>, Chuanliang Xu<sup>1</sup>, Rui Chen<sup>1</sup>. <sup>1</sup>Shanghai Changhai Hospital, Second Military Medical University, Shanghai, China. <sup>2</sup>Renji Hospital, Shanghai Jiao Tong University, School of Medicine, Shanghai, China. <sup>3</sup>First Affiliated Hospital, School of Medicine, Zhejiang University, Hangzhou, China. <sup>4</sup>Peking University First Hospital, Institute of Urology, Peking University, National Urological Cancer Center, Beijing, China. 5First Affiliated Hospital of Medical School, Xi'an Jiaotong University, Xi'an, China. 6Huashan Hospital, Fudan University, Shanghai, China. West China Hospital, Sichuan University, Chengdu, China. The First Affiliated Hospital of Nanjing Medical University, Nanjing, China. <sup>9</sup>Beijing Friendship Hospital, Capital Medical University, Beijing, China. <sup>10</sup>Huadong hospital, Fudan University, Shanghai, China. 11Shanghai Jiao Tong University Affiliated Sixth People's Hospital, Shanghai, China. 12Peking University Third Hospital, Beijing, China. 13 Tenth People's Hospital, Tongji University, Shanghai, China. 14 Tongji Hospital, Tongji Medical College, Huazhong University of Science and Technology, Wuhan, China. 15 Fudan University Shanghai Cancer Center and Department of Oncology, Shanghai, China. 16 Shanghai Changzheng Hospital, Second Military Medical University, Shanghai, China. 17The First Affiliated Hospital of Soochow University, Suzhou, China. 18 Peking University People's Hospital, Beijing, China. 19 Xijing Hospital, The Fourth Military Medical University, Xi'an, China. 20 The 3rd Hospital of Sun Yat-Sen University, Guangzhou, China. <sup>21</sup>Zhujiang Hospital, Southern Medical University, Guangzhou, China. <sup>22</sup>Wuhan General Hospital of Guangzhou Military Command, Wuhan, China.