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(Background) Hemostatic dressing for the external bleeding control HemCon Patch is a hemostatic dressing for the external, temporary control of severely bleeding wounds intended for emergency use. The HemCon Patch is indicated for the control of bleeding from the skin at percutaneous needle access. We mostly stop the bleeding by our hands after removal PCPS. We investigated efficacy of HemCon Patch on hemostasis after removal PCPS in our hospital. (Objective) The present study evaluated whether HemCon Patch shortened compression time of removal PCPS. (Method) We retrospectively investigated 14 patients who underwent PCPS after insertion of a 15Fr catheter for the artery and a 21Fr catheter for the vein. In 7 patients, arterial access site was covered by HemCon Patch immediately after removal of the catheter and was compressed by our hands. In 7 patients, we didn't use this patch. (Result) Compression time for the vein was shorter with HemCon Patch compare to without this patch. (23 ± 7.5 min vs 31 ± 7.9 min) There was one incidence of arterial access bleeding in both groups. (Conclusion) The present preliminary study shows efficacy of HemCon Patch on Hemostasis after Removal PCPS. However, we should further investigate this study.